CENTENARY
COLLEGE OF LOUISIANA

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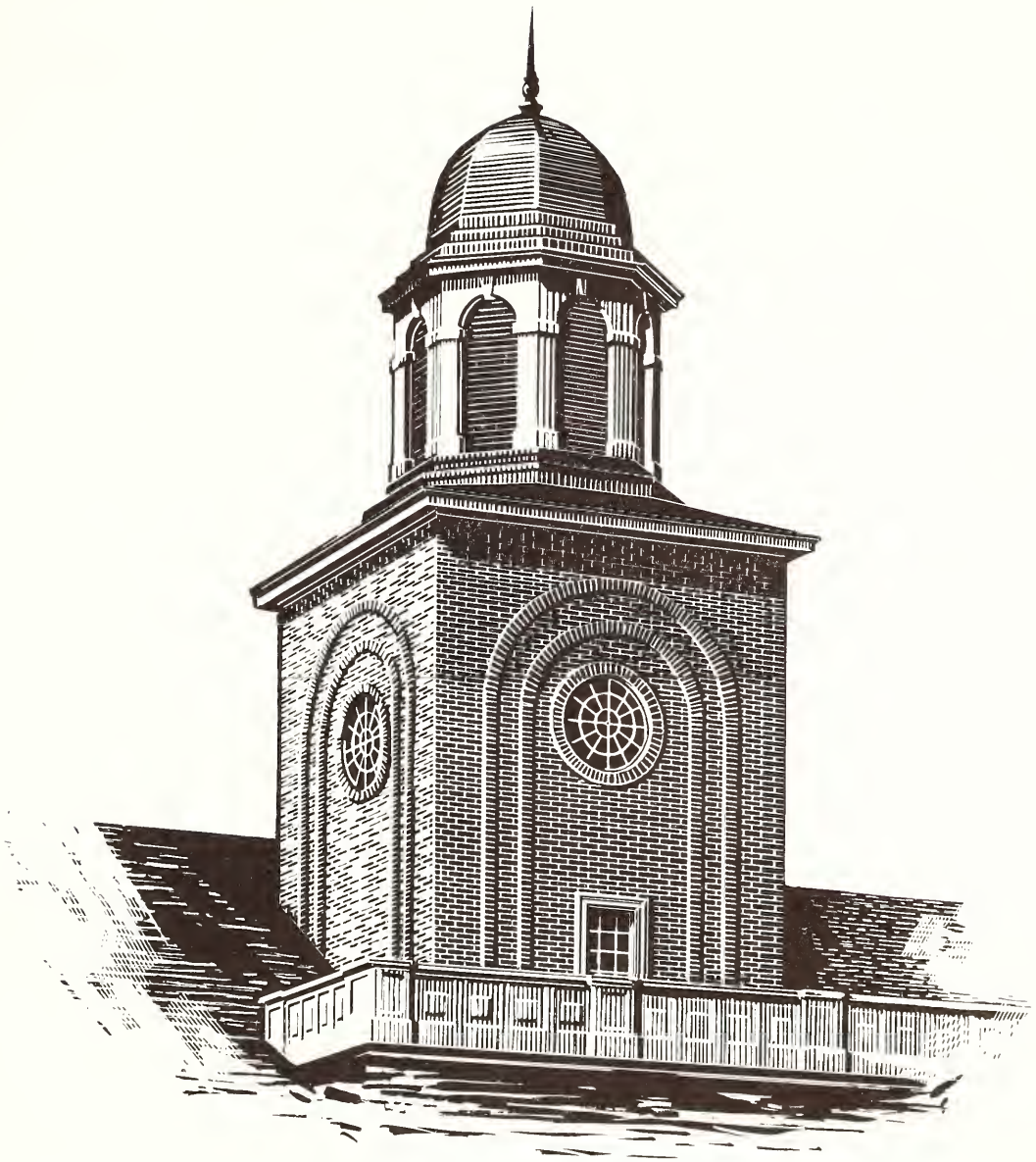
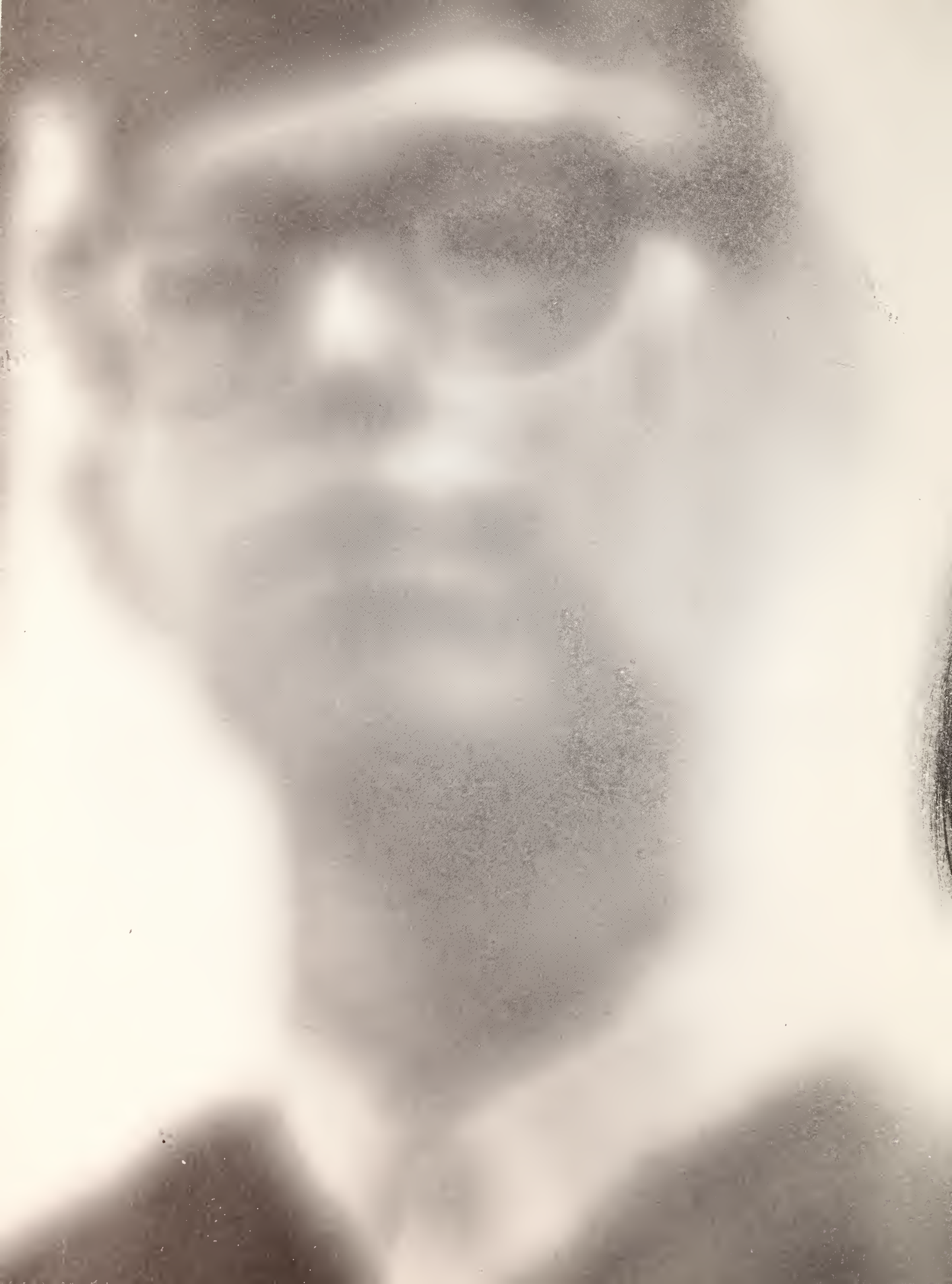


CENTENARY COLLEGE CATALOGUE

Spring 1968

Shreveport, Louisiana

For The Year 1968-1969



Centenary College is a private co-educational liberal arts college folded into a campus covering nearly 40 acres of wooded, gently rolling land not far from the winding banks of the historic Red River. The campus lies close to the very heart of a large and populous triple state commercial area formed by the juncture of Arkansas, Texas, and Louisiana. The region supports upwards of a million people. Centenary is the only fully-accredited four-year private school serving a large part of the area. Centenary students come not only from this area, however, but from many other states in the union as well. More than 65 percent of the students are resident in college dormitories and fraternity houses. Centenary has a proud and venerable history dating back 143 years to modest beginnings as a small state institution in the southern part of the state. The college early became affiliated with the Methodist Church, and today it still is strongly and actively supported by the church. But Centenary is not content to rest on the proud years of the past. Each year the college commits itself with vigor and confidence to new goals of academic excellence, and to new dimensions of spiritual and intellectual growth.

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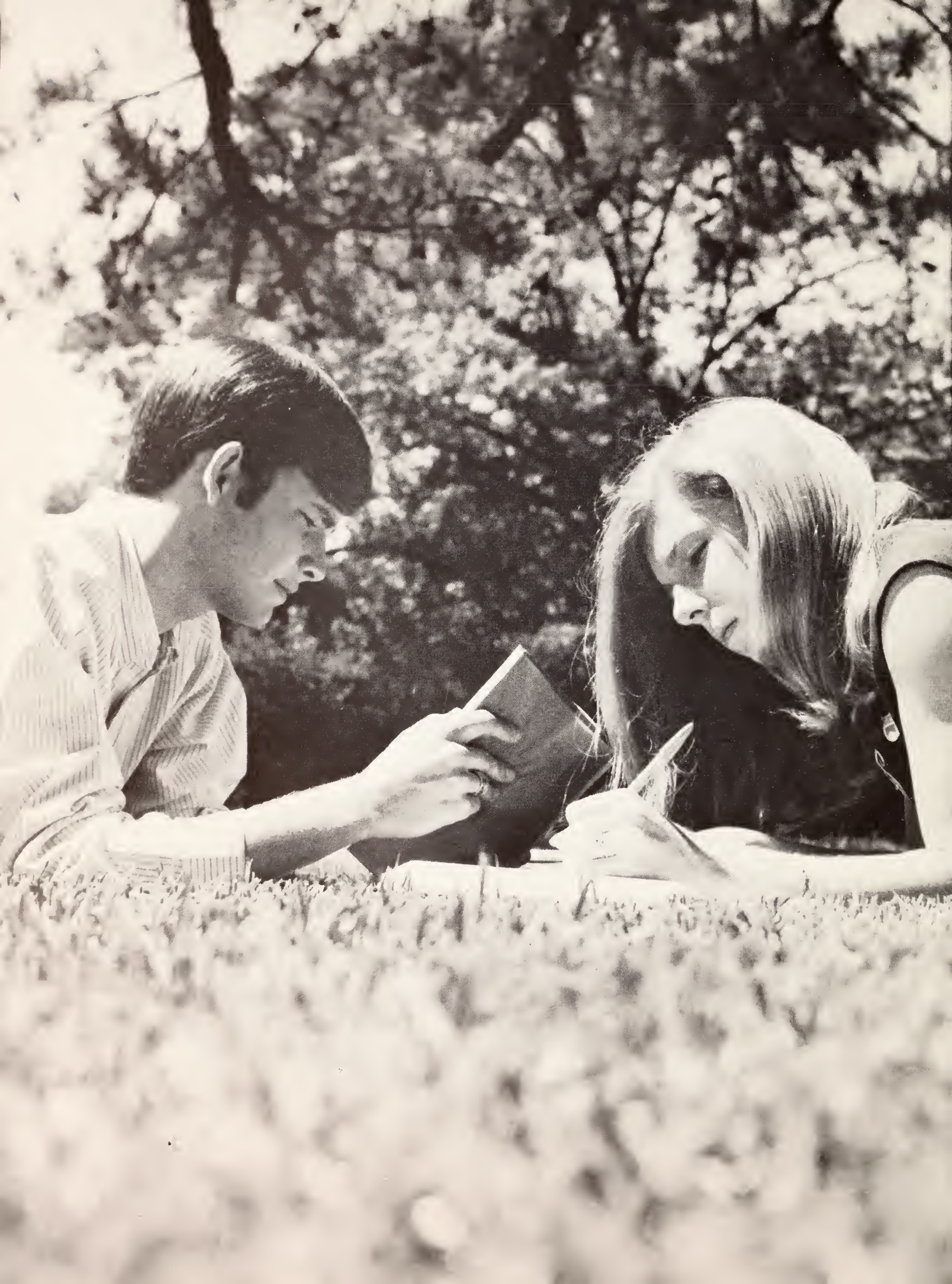


I

CENTENARY COLLEGE TODAY

Centenary's aims and its purposes are deep-rooted in traditions of excellence and service established in the beginning years of the College more than a century ago. These aims and these purposes remain essentially the same today, though the ways that we pursue them must always change to keep pace with a world that does not stop and wait for history to catch up.

Each year there are new students to ask new questions, seek new answers to problems that themselves are new. Centenary does not confer pre-packaged answers upon its students along with their degrees, but the College does hope to offer these questing students some of the spiritual adventures and the bold intellectual experiences wherein exciting answers might lie.

Each year Centenary College graduates go forth to work in the church, in the law, or in medicine. Some want to teach, some choose careers in business and industry. Some make their mark in letters; others in science and research; some in social service. All over the world they have distinguished themselves and the College in many fields of endeavor.

The purposes of the College as stated by the faculty are clear and plain: "As a church-related college, Centenary seeks to provide liberal arts education for students capable of intellectual leadership and for all who can benefit from study in an academic community where excellence is encouraged and individuality is respected. The College purposes to challenge its students to serve society by exemplifying the highest Christian ethic; to provide them with a basic understanding of human affairs and problems; to equip them to think clearly, honestly and constructively, and to communicate effectively; and to introduce them to the arts and sciences that they may enjoy the best of the heritage of civilization. By requiring a field of major concentration, the College prepares students for education beyond the baccalaureate degree as well as for immediate participation in an increasingly complex society."

Centenary College is fully accredited today by all appropriate standardizing and accrediting agencies, both regional and national. It is a member of the Southern Association of Colleges and Schools, the National Association of Schools of Music and the American Association of University Women. The College is approved by The

American Chemical Society, and it is recognized by the General Board of Education of the Methodist Church as one of its strongest institutions. It is also approved by the University Senate of the Methodist Church.

The College maintains membership in the American Alumni Council, the American Association of Colleges for Teacher Education, the American Association of Collegiate Registrars and Admissions Officers, the American Council on Education, the Association of Colleges, the Association of University Evening Colleges, the Louisiana Academy of Science, the Louisiana College Conference, the National Association of Schools and Colleges of the Methodist Church and the National Commission on Accreditation.

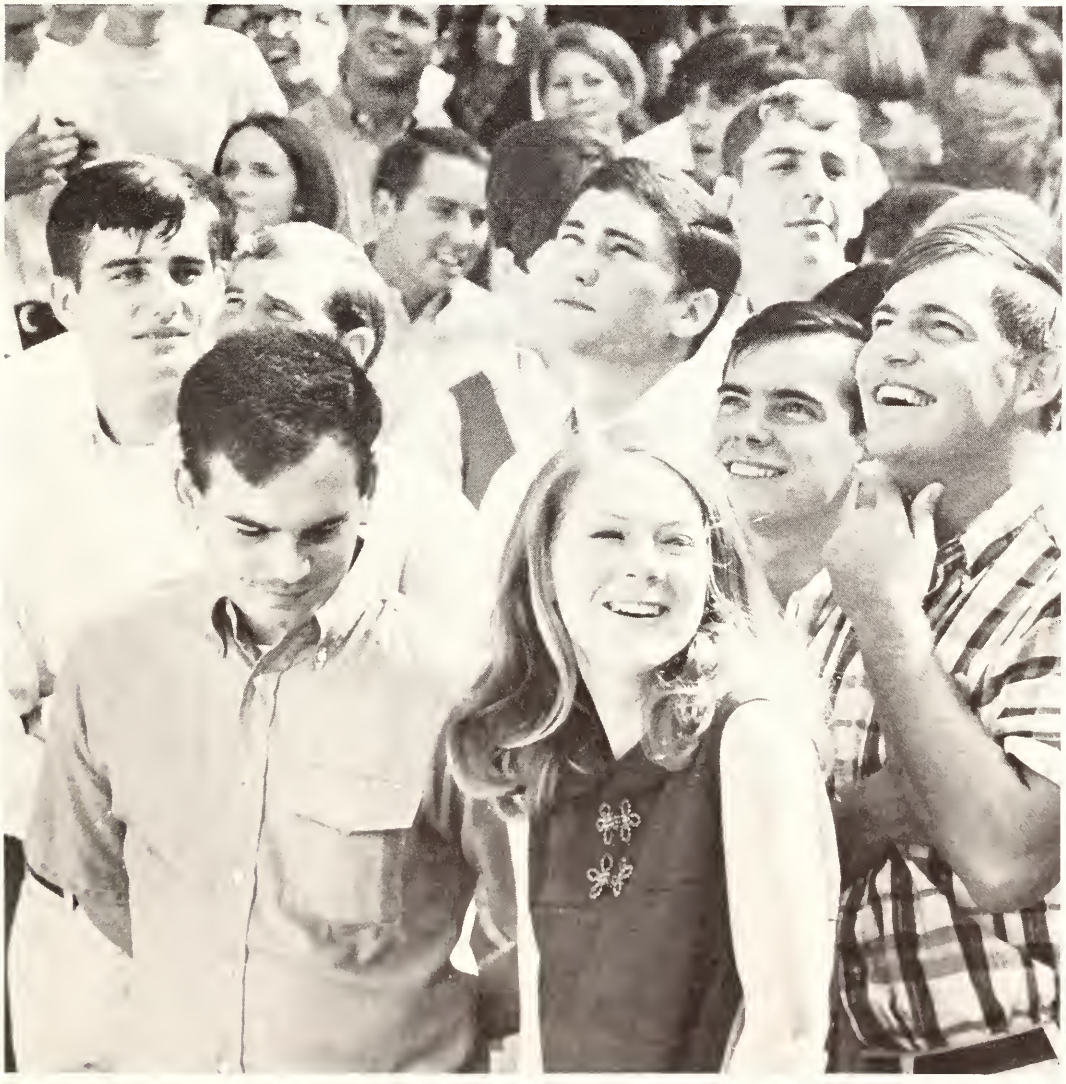
Centenary College had its beginning in an institution founded at Jackson, Louisiana, by the state in 1825. The oldest institution of higher learning in the state, the school was officially called The College of Louisiana until 1845. In celebration of the centennial anniversary of Methodism in 1839, the Mississippi Conference founded a Methodist college called Centenary at Clinton, Mississippi. In 1840 this college moved to Brandon Springs, Mississippi, and in 1844 it graduated its first class.

The state of Louisiana decided to close the College of Louisiana at Jackson in 1845, but friends of the Centenary institution at Brandon

Springs acquired the buildings and grounds at Jackson and moved the school there. The college became Centenary College of Louisiana, and the name remains officially the same today.

By the time of the Civil War, the college at Jackson was flourishing as a leading Southern educational institution. Its enrollment grew to about 250 students annually. The College was forced to suspend classes for five years during the war period, between 1861 and 1866, however, because most of its students and faculty were in military service.

In October of 1861 the faculty met for the last time. The minutes of this meeting were not recorded, but across the blank page someone wrote tersely, "Students have all gone to war. College suspended and God help the right." During the next few years, nearly every member of the senior class died in the fighting. Many other students



and faculty members also gave their lives, victims of wounds and disease, before the war ended.

During the years following the war, the struggling College resumed classes, managing to contribute considerably to the intellectual growth and the leadership of Jackson for some years. Bishop John C. Keener befriended the College, and for 40 years he solicited funds to support it, driving many a tired mile in his horse-drawn buggy.

The railroads had bypassed Jackson, however, and as time went on, it became obvious that the southeast Louisiana community would never be able to offer the necessary facilities of a larger metropolitan community. Mr. J. B. Atkins and Mr. J. W. Atkins of Shreveport, together with a group of their friends, invited Centenary to move to North Louisiana. Land was offered for a campus, and Shreveport citizens collected money for buildings and classroom equipment. The first classes were held on the new Shreveport campus in 1908.

In 1925, its centennial year, Centenary College graduated its first class of more than 100 students.

The College weathered the hardships of the World Wars and the Depression with great sacrifices but also firmer faith in its mission and its opportunities. Today it has a solid basic endowment from the churches of the Louisiana Conference, income from gifts and scholarships, and the enthusiastic support of the business community. The modern campus covers nearly 40 acres of picturesque, tree-studded land located an ideal distance from the business center of Shreveport.

At the heart of the College complex are the library and the chapel. The library has 85,451 volumes in its growing collection this year, plus numerous private study rooms, comfortable offices and classrooms in the basement, extensive microfilm facilities, a rare book room, and a roomy lobby which is eminently suitable for art exhibits and other special showings. Brown Memorial Chapel, the gift of Paul M. Brown and S. Perry Brown in memory of their parents, will seat virtually the entire student body in its main sanctuary. Sunday worship services are held there as well as the regular College chapel programs, which are held almost weekly.

The College is fortunate enough to have one of the most attractive and best-equipped theatres in this part of the country. Marjorie Lyons Playhouse was the gift of Mrs. Charlton Lyons and her family. It offers the best possible classroom and workshop facilities for speech and drama students to support its magnificent stage and auditorium facilities.

The new Ed E. Hurley Memorial Music Building, a gift of Mrs. Hurley in memory of her late husband, provides sound-proof studios, rehearsal rooms, practice rooms, a recording studio, a music library, and a spacious recital hall for student and faculty performances. The Dean R. E. Smith Building, a gift of the Louisiana Conference of the Methodist Church in 1961, offers classrooms for religion studies, a small auditorium, kitchen facilities, and room for gatherings and meetings.

Commencement exercises, concerts and other special programs are held in the Reginald H. Hargrove Memorial Amphitheatre, which was completed for College use in 1964. Haynes Memorial Gymnasium houses gym facilities, basketball court, handball courts, offices and classrooms for health and physical education. Mickle Hall of Science contains offices, science classrooms and laboratories; Jackson Hall houses the Departments of Art, English and Foreign Languages and Philosophy; and administrative staff offices are located in the Administration Building.

Main center of student activities and social hub of the campus is the Randle T. Moore Student Activities Building located almost in the geographic middle of the campus. The SUB has a newly redecorated and picturesque snack bar, a separate TV room, a recreation and lounging area, and office facilities for student government groups and for student publications. The College postoffice and bookstore are also housed in the SUB.

Three air-conditioned girls' dormitories cluster toward the north end of the campus, next to the building which houses two dining halls

serving meals to students, faculty and staff. These are James Memorial Dormitory, Hardin Hall, and Sexton Hall. The men's residence halls, Cline Dormitory and Rotary Hall, are located toward the south perimeter of the campus.

During the next few years the College expects to make many dramatic changes in existing physical facilities in order to keep pace with advancements in the classroom and the laboratory. In 1965 the College began Climax '75, a ten-year program of building and improvement which is to culminate with the 150th anniversary of the College in 1975. This program envisions the College reaching a new peak of educational quality with a stronger faculty, a larger and better prepared student body, and the best possible equipment, library, laboratories and classrooms. A new master plan for campus development is being drawn for Phase Two of the Climax '75 campaign, and the College expects to begin implementing the plan late this year.

II

THE CENTENARY COLLEGE STUDENT

LIVING ON THE CAMPUS

Centenary students come from every state in the nation, and there are almost always a few from foreign lands. Last school year, students from six countries other than the United States were enrolled at Centenary. About fifty-five percent of the student enrollment is made up of men students. More than sixty percent of the student body is resident on campus.

The College believes that group living in the academic setting is most conducive to personal growth and development and to total involvement in campus life. Therefore all fulltime single students who are not living with their parents are required to reside in the dormitories and buy meal tickets for use in the college cafeterias. At the discretion of the dean of men, though, a specified number of junior and senior male students are allowed to reside in the fraternity houses. These students must also buy meal tickets, and they must observe dorm rules in the fraternity houses.

Men students live in Rotary Hall and Cline Dorm. Effort is made to place male freshmen with some upperclassmen who can best aid them in making the adjustment to college life. Women students live in Sexton Hall, James Dorm, and Hardin Hall.

A few qualified women students are chosen each year to participate in an Honors Dorm living experiment. Honors Dorm privileges will be extended to more women students when new dormitory space, now under construction, is available.

Students who are already enrolled in Centenary are required to make a $50 deposit by March 15 on their dormitory rooms for the following fall. The deposit will be refunded provided the student notifies the college prior to June 15 in the event he changes plans and decides not to attend the College in the fall. Room deposit for prospective new students is included in the advance payment of $100 which is required upon the student's acceptance of offer of admission.

Two comfortably furnished and immaculately kept dining halls are located in their own separate building next to the women's dormitories

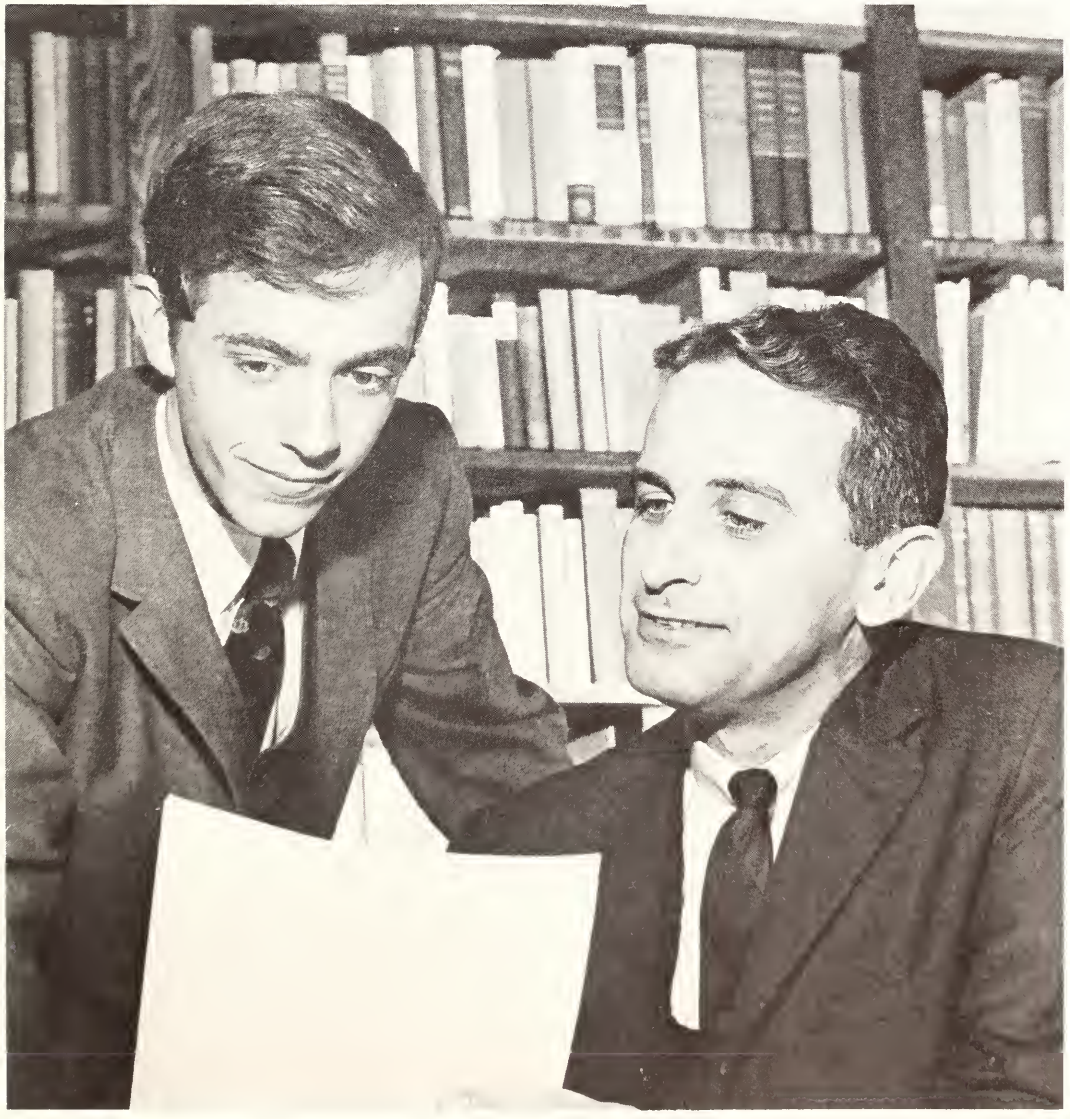
on Sexton Drive. Hot meals are served daily at times conveniently fitted to class hours and test schedules. Light meals and snacks may also be had at the snack bar in Moore Student Center.

STUDENT GOVERNMENT

Believing that responsibility and self-direction are necessary parts of the college learning experience, Centenary traditionally has encouraged and supported student government. Students serve in an advisory capacity on many faculty and administrative committees. Considerable authority to govern, regulate and control student affairs within the framework of the College administrative policies is delegated to such responsible bodies as the Student Senate. Officers and members of the Senate are the elected representatives of the entire student body.

All social or competitive functions affecting students, including campus elections, are the jurisdiction of the Senate. The Senate also arranges and sponsors movies, entertainment programs, and visits to the campus of prominent speakers representing different fields of thought.

To a large extent, students themselves constructed the Honor System which binds all students and governs all academic work at Centenary College. Through an Honor Court of five justices chosen from nominations by the faculty and the student body, the students themselves administer the Honor Code. The Honor System is founded on the premise that honor is fostered, not forced, and that it can be fostered only through the willing and earnest efforts of both faculty and students. All fulltime students who enroll at Centenary subscribe to the Code, and thus they automatically become a functioning part of the system.



The Interfraternity Council, the Panhellenic Association and the Panhellenic Council help maintain sound relations between social fraternities and sororities on campus and they pursue ways to encourage scholarship and intellectual accomplishment.

The Women's Student Government Association acts as a unifying body for all women students at Centenary. It establishes and maintains standards of conduct for women students, and it fosters closer communication between dormitory residents and those who live in town. Dormitory Councils and a Judicial Board supervise administration of housing regulations and hear cases involving infractions of dormitory rules.

An elected Men's Dormitory Council acts upon infringements of housing rules which do not come under the jurisdiction of either the

Honor Court or the Student-Faculty Discipline Committee. The Men's Judicial Board, composed of elected upperclassmen, considers appeals and referrals from the Dormitory Council and sits in other matters involving rules and policies governing men students.

RELIGIOUS LIFE

Centenary believes that religious faith is the foundation of intellectual attainment as well as of personal development. The student is therefore provided many opportunities for worship and for private meditation in the College Chapel. Centenary has its own Chaplain, a Methodist clergyman assigned by the presiding bishop to minister to the campus. The Chaplain is available to students for counseling at any time. He has charge of the regular Sunday morning worship services in Brown Memorial Chapel, he helps plan the Thursday chapel programs, he directs the Methodist Student Movement, and he coordinates all other religious activities on campus.

Most of the major religious denominations have active organizations headquartered either on or very near the campus. Students are strongly encouraged to participate in these organizational activities, and facilities of both the Chapel and the R. E. Smith Religious Activities Building are available to them.

The Methodist Student Movement is the organized ministry of the Methodist Church to the campus. At Centenary MSM sponsors regular weekly meetings, films, lectures, discussion groups, and spring and fall retreats which are dedicated to Christian fellowship and to questions concerning the relationship of religious faith to higher learning in the modern college classroom.

Each year, through the Willson Lecture Series, outstanding lecturers in theology, philosophy, and education are brought to the campus. These guest lecturers are made possible by Dr. and Mrs. J. M. Willson of Floydada, Texas.

COMMUNICATIONS

Student talent and student opinion find expression in *The Conglomerate, The Yoncopin,* and *Insights. The Conglomerate,* a newspaper, is published weekly when classes are in session, and *The Yoncopin,* the college yearbook, is published in late spring. Both are student written and student edited. They are partially financed by student fees and scholarships are available to their editors. *Insights* is a magazine showcase for both writers and artists. It is published once a year under the sponsorship of Sigma Tau Delta, honorary English fraternity.

MUSICAL ORGANIZATIONS

The famous Centenary College Choir is a familiar sight and sound on radio, television, and theatre stages across the world. The group has made two overseas tours, filled two long engagements in Radio City Music Hall, and sung at many an international convention, in addition to making countless appearances before church, club, social and civic groups all over the south. For 14 consecutive years the Choir has been appearing on its own sponsored television program. Such programs as the "Rhapsody in View" home concert and the solemn and beautiful Christmas lighting ceremony at Hodges Gardens near Many are solidly established traditions.

The College band has over the years distinguished itself in excellence and popularity with both students and community. The Band

plays concerts at regular intervals for the enjoyment of the student body, it plays for all sports events, and it also furnishes a small dance band to play for campus dances. In the summer its members form the nucleus for a special band which plays a very popular series of free outdoor concerts each week in Hargrove Memorial Amphitheatre on campus.

Symphony Chorale gives qualified student singers the opportunity to perform the great choral masterpieces with the Shreveport Symphony Orchestra, and the School of Music's Opera Workshop presents two productions of chamber opera each year, extending tryouts to every member of the student body.

DRAMA AND ART

Centenary's magnificent and versatile Marjorie Lyons Playhouse not only helps make it possible for the College to offer a strong major

in drama and speech, it also makes possible the presentation of a great variety of the world's best plays. The Jongleurs, a student drama group, utilizes the widely varied talents of many undergraduate students as well as those majoring in drama and theatre arts. The aim of the group is to present drama of imaginative artistic calibre, and to provide a diversified dramatic program.

The College often brings the work of outstanding artists, sculptors and photographers to the campus for showing in the foyer of the library. Centenary art majors and faculty members show their work frequently in campus exhibits, and they participate actively in showings and competition off campus. The Centenary chapter of Kappa Pi, national fraternity for art majors, each Christmas sponsors a special exhibit and sale of student and faculty artwork for benefit of scholarship projects. Rare books and particularly interesting or valuable manuscripts frequently are secured for display in the library itself.

HONOR SOCIETIES AND SERVICE ORGANIZATIONS

Quite a few honorary fraternities and service organizations which recognize scholarship and leadership have chapters on the Centenary campus. These include: Alpha Chi, national scholastic fraternity for junior and senior men and women who have a 3.5 cumulative average and are invited to join; Alpha Epsilon Delta, national honor society for pre-med students; Alpha Psi Omega, national honorary fraternity for achievement in dramatics; Alpha Sigma Chi, society of chemistry upperclassmen who have a 2.5 cumulative average and a 3.0 average

in chemistry; Alpha Sigma Pi, scholastic fraternity for freshmen and sophomores with a 3.5 average; Delta Tau Omicron, honorary business and economics fraternity for students having a cumulative average of 3.5 in business and an overall average of 2.5; Phi Sigma Iota, national honor fraterity for Romance Languages; Pi Kappa Delta, national honorary forensic fraternity; Sigma Gamma Epsilon, honorary fraternity for students with a 3.0 cumulative average in 10 hours of geology and a 2.0 overall average; Sigma Pi Sigma, honorary physics fraternity for students with a 3.0 average and three hours of advanced physics; Gamma Beta Gamma, national biology fraternity; Kappa Pi, national art fraternity; Phi Beta, national speech and music fraternity; Phi Mu-Sinfonia, organization of men interested in music; Sigma Tau Delta, national writing fraternity.

The Maroon Jackets are an elite service group whose members are chosen from among women students with at least a 3.0 cumulative average and outstanding qualities of leadership and character as well. The Maroon Jackets are the official hostesses of the College. Omicron Delta Kappa recognizes leadership in various fields of activity, and Kappa Chi is a service organization which invites members of any denomination who are interested in fulltime religious vocations. Men students who are interested in service and leadership may also join Circle K, a service organization which is sponsored on campus by local Kiwanis Clubs. Both men and women may belong to the Sophomore Service Organization.

There are a number of other clubs and organizations through which the student can become more deeply involved in campus life and through which he can himself contribute. These include the Math Club, the Dramatics Club, the French Club, the German Club, the Jongleurs, the Physics Club, the Psychology Club, the Spanish Club, the Student National Education Association, Student Medical Assistants, the Physical Education Majors Club, the Centenary Young Democrats Club, the Centenary Young Republicans Club, and the Student Louisiana Teachers Association.

SOCIAL FRATERNITIES AND SORORITIES

About 36 percent of the men students belong to four social fraternities active on the Centenary campus. Three sorority chapters include about 39 percent of the women students as members. The fraternities are Kappa Alpha, Kappa Sigma, Tau Kappa Epsilon, and a new local fraternity, Delta Alpha, founded at Centenary in 1966. The three active sororities are Alpha Xi Delta, Chi Omega and Zeta Tau Alpha. At Centenary freshmen may be rushed at the beginning of the fall semester, but summer rush is forbidden.

INTELLECTUAL, CULTURAL AND SOCIAL ACTIVITIES

There is usually never a lack of stimulating activity on the College campus. The Senate-sponsored Forums programs bring to the campus renowned educators, politicians, leaders, thinkers. Through Lyceum programs students enjoy guest lecturers and entertainers representing all of the arts. During the academic year there are many special concerts, recitals, offerings of the Symphony Chorale, the Opera Workshop, the Marjorie Lyons Playhouse, and art exhibits. The College devotes a whole week to a Fine Arts Festival each spring, during which special offerings of theatre, poetry, literature, music and art are presented

for enjoyment. Guest artists and lecturers engaged for the Festival address small gatherings and visit classrooms informally.

In addition to the many social events regularly calendared by the Greek organizations, there are many all-college dances, beauty contests, competitions to pick favorites, and other fun affairs involving the entire student body at frequent intervals during the year. A few of these include the traditional spring Founder's Day picnic, the freshman-sophomore tug of war, Freshman Frolics, and an all-campus revue featuring the pick of talent from among both faculty and students.

ATHLETICS

Centenary gives considerable importance to a broad general program of physical fitness for the entire student body. All degree candidates must complete two years of formal physical education classes. As a companion to formal training, both men and women students are strongly encouraged to participate with teams in intercollegiate competi-

tion and to take part in the various intramural programs which are available. Men play intramural football, basketball, ping pong, handball, volleyball, tennis and participate in cross-country. A Women's Recreation Association organizes contests and promotes sportsmanship among women students in similar activities.

In intercollegiate competition, Centenary remains a major independent. Freshman and varsity basketball teams play in the University Division of the NCAA; golf, tennis and baseball teams play in the College Division of NCAA. The College does not participate in intercollegiate football and does not sponsor a varsity team in this sport.

STUDENT SERVICES

The academic life and the personal welfare of the student are inseparable. Recognizing this, Centenary has structured a sound program of advisement centered around the academic, the personal, the religious and the social aspects of the student's life on campus. Each student is assigned a faculty adviser who is either the chairman of the department of his major area or is a faculty member teaching within the department. The Dean of the College counsels in the area of academic affairs, while the Dean of Students and the Dean of Women advise on personal, social and dormitory problems, and those concerning Greek letter organizations. The Registrar assists with degree plans and graduation requirements. The College has its own Chaplain, a Methodist minister assigned as minister to the campus, who is available to students at any time for assistance with problems of any sort.

The Department of Education and Psychology operates a counseling and testing service for students, primarily for vocational purposes. The aim of the program is mainly to assist students in a choice of majors. Evaluation of personal problems is limited to appropriate referral.

Students who may desire assistance in securing employment either on or off campus may approach either the Director of Student Activities or the Financial Aid Officer. A placement service is also offered for prospective teachers.

To meet health needs of the campus, the College maintains a small dispensary with a fulltime registered nurse.

III

ADMISSION, COSTS AND FINANCIAL AID

ADMISSIONS

Centenary College accepts applications for admission from students in the college preparatory courses of accredited secondary schools and from students transferring from accredited colleges without regard to race, color or religious commitment. Applications must be received before registration, however, and recommendations must be satisfactory. The college selects those students who demonstrate the ability to do college work, those who will profit most from opportunities offered in the academic community, and those who seem to possess the most promise of contributing constructively to student life on the campus.

ADMISSION REQUIREMENTS

Admission to Centenary is based on consideration of personal qualities and on performance records. Graduates of accredited secondary schools must present 15 units, including three units of English; two of history and other social science; two units of college preparatory math (minimum of one algebra and one geometry). The eight elective units should include two of foreign language, one in a natural science, and an additional unit in English. If less than two units of a foreign language are presented, not less than two years of a foreign language at college level will be required for the B.A. Degree or for the B.S. degree (except for candidates for the B.S. degree in education, engineering sciences and physical education). Applicants must have maintained an average of "C" or better in those high school courses which are considered as college preparatory.

Entrance Examinations: Applicants for admission must take the Scholastic Aptitude Test of the College Entrance Examination Board and must submit scores to the college. Information about the tests may be obtained from the College Entrance Examination Board, Box 592, Princeton, N. J. 08540, or Box 1025, Berkeley, California.

The Honor Code: Those students who are admitted to the college must agree to maintain standards of conduct that conform to the Honor Code in all areas of college life. As a part of registration and orien-

tation, students will be required to sign a statement showing that they have read the college Honor Code and that they will abide by it.

Admission Procedures: Application blanks and other information concerning admission may be obtained from the Office of Admissions. When the application is completed, it should be submitted to the Director of Admissions, Centenary College, P. O. Box 4188, Shreveport, La. 71104. The complete application should include:

Completed form, plus the application fee of $10. The fee must accompany all applications and it is not refundable. Neither is it applicable to tuition charges.

A complete transcript of all high school grades, and scores on the high school level General Educational Development Tests, if the student has taken them.

A complete and up-to-date transcript of all college credits earned if the applicant has previously attended college or is attending college at the time he is applying. In the latter case, supplementary transcript will be necessary to show completion of current work.

There is an advance payment of $100 required for dormitory space and tuition for all students requesting to live on campus and to pre-register. There is also a $50 room deposit fee for dormitory students who are already registered, and a $50 fee for incoming or transfer students not pre-registering.

Advanced Placement: Centenary College participates in the Advanced Placement Program administered by the college Entrance Examination Board. Subject to departmental approval, advanced placement with college credit is given for examination scores of three, four and five. Scores of two will be considered for advanced placement, but without college credit. For further information about the Advanced Place-

ment Program, students should consult their high school counselors, or write to the Dean of the College.

Early Admission: Certain gifted and carefully-selected students who have completed the junior year in high school may enroll as regular students at Centenary College, bypassing the senior year in high school. Students admitted to this program do not receive a high school diploma, but they are able to begin advanced college work earlier. To be eligible for early admission, a student must have had three units of English, three of mathematics, two of science and two of social science, and he must have the personal recommendation of his counselor and principal and the approval of his parents. It is also necessary to provide scores on the Scholastic Aptitude Test of College Entrance Examination Board. A personal interview may be required.

Early Decision Plan: The majority of admissions and financial aid decisions are made by the college during its regular program in February and March, but Admissions regulations do make allowance for an earlier decision by a few select students who are certain that they wish to attend Centenary. The Early Decision Plan is intended exclusively for, and is limited strictly to, those few students. Under the plan, the college can give assurance of admission by November 1 of the student's senior year if the student has followed the correct procedures.

The correct procedures are: Applicants must submit application before October 15 of their senior year, and they must provide transcript of school work already completed, plus a list of subjects planned for the senior year, and College Board Scholastic Aptitude Test Scores by or before October 15; application must be accompanied by a $50 deposit on tuition which is refundable only if early decision is not granted, or if the student cancels his application before February 1; applicants who cannot attend Centenary without financial aid must submit scholarship applications at the same time as they apply for admission, and a Parents' Confidential Statement (obtained from the high school counselor) should be mailed to the College Scholarship Service, Box 176, Princeton, N. J., by October 1 so that the schedule for Early Admissions can be met.

Insurance: All fulltime students (those taking for credit 12 or more semester hours) are insured against accident at no additional cost to the student. This insurance is in effect 24 hours a day for the nine month school year. Thus the coverage includes such interim vacations as Christmas and Easter. A booklet containing details concerning the insurance plan can be obtained from the college business office.

EXPENSES

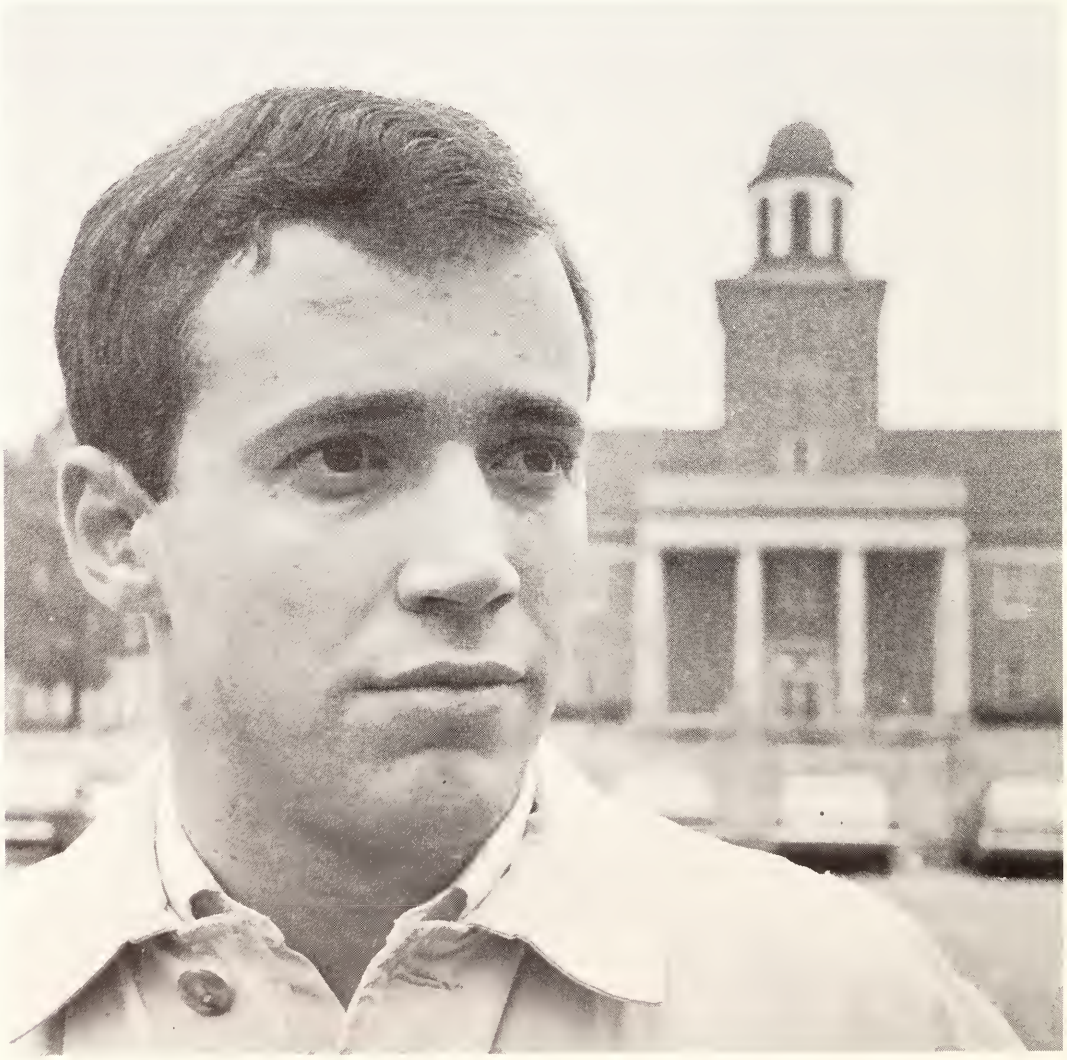
Annual Expenses: Fees charged by Centenary College amount to less than half the actual cost of instruction and operation; the remainder of the cost is met with income from endowment and gifts from the Methodist Church and from friends of the college. Parents who wish to do so may make contributions toward the total actual cost by making additional payments.

Tuition and fees: As the cost of education increases, Centenary College reserves the right to make whatever financial adjustments are necessary in charges for tuition and for board and room. Tuition for fulltime students taking 12 to 18 credit hours is $500 per semester.

Students who take more than 18 hours will be charged $40 per credit hour for each hour in excess of 18, except when applied music is responsible for the excess hours. Tuition for special or part-time students taking less than 12 semester hours is $40 per credit hour, and the minimum charge for any student is $120. The charge for summer session is also $40 per credit hour, with a minimum of three hours or $120. Fee for nine hours (maximum summer session load) is $360.

The fee for evening division courses is $30 per credit hour except for daytime students taking courses in the evening division, who will be charged $40 a credit hour. Tuition for audit or non-credit courses is the same as for courses taken for credit.

Board and Room: All dormitory students are required to take their meals in the college cafeteria. Board charges and dormitory room rent are paid by the semester. Board is $260 for each semester during the regular session and $110 for the nine weeks summer session. Room



charges are $145 per semester for boys, $150 per semester per student for two girls in a room, and $130 per girl per semester for three girls in a room. The room charge for the nine weeks summer session is $80.

Applied Music: Regular students who enroll in private applied music courses will pay an additional fee of $45 per semester for one-half hour lesson per week, and $90 per semester for one hour lesson per week. Special students who enroll in private applied music courses will pay a fee of $60 per semester for one-half hour lesson per week, and $120 per semester for one hour lesson per week. Practice rooms, pianos, and other instruments are available in the Music Building. The rental fee for an orchestra or band instrument is $15 per semester. The rental fees for pianos and organs are charged at the following rates:

	Piano	Organ
2 hours per week	$3.00 per semester	
5 hours per week	$6.00 per semester	$7.50 per semester
10 hours per week	$9.00 per semester	$11.25 per semester
15 hours per week	$12.00 per semester	$15.00 per semester

Other Special Charges:

Application (not refundable and not applicable to tuition)	$ 10.00
Student Service Charge per semester (including medical fee, athletics, Conglomerate, Physical Education, Student Senate, Lyceum, identification card and library)	20.00
Student activity fee per semester (all full-time students)	10.00
College annual, fall semester only (all full-time students)	10.00
Parking, per year for day students	4.00
Late Registration	10.00

Change of Course (two weeks after first class)	5.00
Student Teaching	100.00
Teacher Certification	15.00
Graduation Fee (GRE, diploma, cap and gown rental)	22.00
Bowling, per semester	12.50
Golf, per semester	8.00

Students in laboratory courses are expected to pay for all breakage in the amount of the loss.

Transcripts: Each student is entitled to one free copy of his official transcript. Extra copies may be obtained upon payment of $1 for each additional transcript.

Payment of Fees: Matriculation in the college is an implied contract accepting all regulations of the college, including those governing payment and refunds. Charges are made by the semester and they are payable by the semester. Payment of semester expenses, or arranging to pay them, is considered a part of registration. Enrollment has not been completed until the student has paid his fees or has made satis-

factory arrangement with the comptroller. Class rolls are made from cards issued by the business office.

There are several acceptable methods of paying:

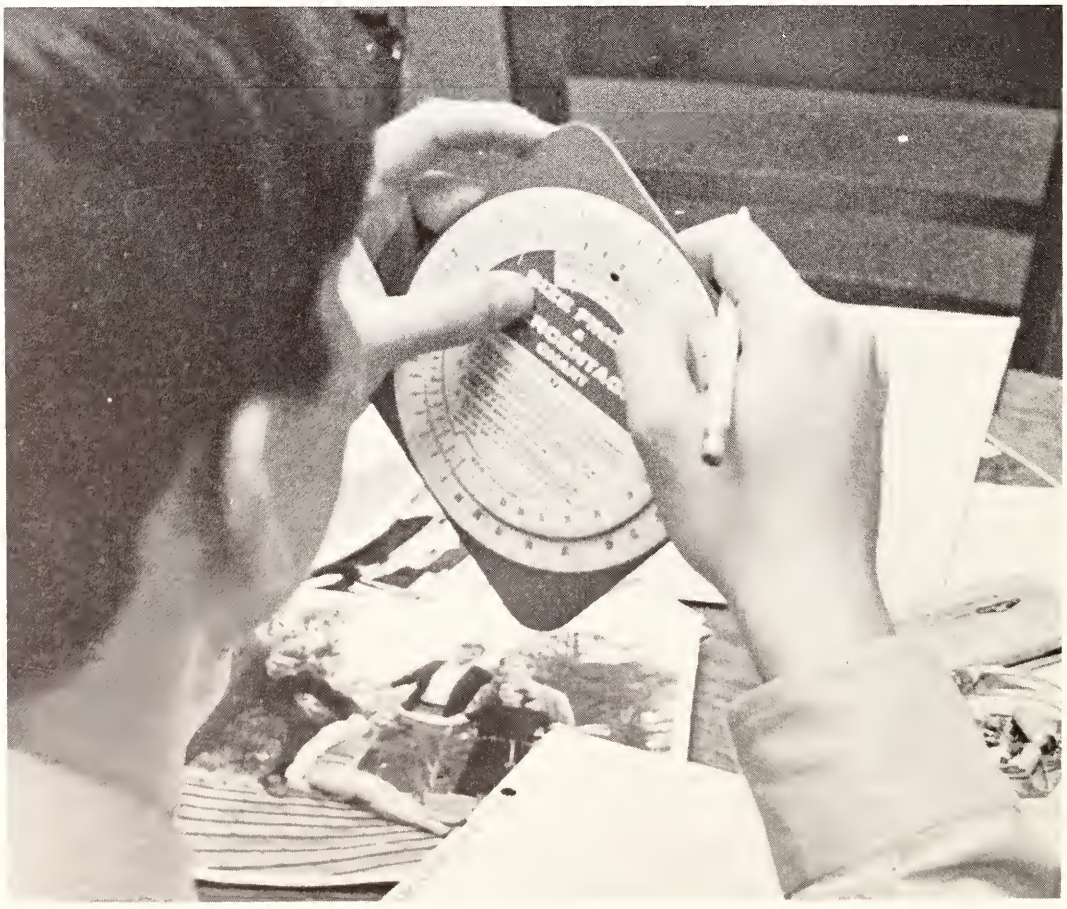
1. The entire account may be paid on registration,
2. One-third of the charge may be paid on registration and the balance in two equal installments, one due in 30 days and the balance in 60 days. There is an installment charge of $10 for this method of payment. (Credits for scholarships and student aid cannot be considered part of first payment.)
3. For summer session, the entire amount is payable on registration, or the student may pay half on registration and the remainder within 30 days. There is a $5 carrying charge for this latter method of payment.
4. An insured program for meeting educational expenses out of monthly income can be had through Education Funds Inc. (Details of the plan are available through the business office.)
5. Tuition Plan. (Details available from the business office.)

Refunds: There is no refund for courses dropped while continuing in other courses. If a student withdraws from all courses during the first four weeks after class work begins, there will be a 50 percent refund of tuition and fees. Board for that part of the semester which has not been used will also be refunded; however, room rent cannot be refunded. Official withdrawal will be the date the student receives approval from the Dean of the College. All refunds will be based on that date, regardless of date of last attendance, and failure to attend classes does not constitute a withdrawal.

If a student matriculates, but receives permission from the Dean of the College to withdraw prior to the first class meeting, all tuition will be refunded except a matriculation fee of $10.

FINANCIAL AID

Centenary College feels that the academically qualified student should be able to attend the college of his choice regardless of financial circumstances. The college, therefore, offers programs of scholarships, loans, grants and part-time employment to serious and qualified students who need them and earn them. All financial assistance is rendered on the basis of academic excellence and need. Each application for assist-



ance is considered carefully and individually in an effort to fuse scholarship, loan, employment and parental assistance into a whole which will permit the student to do his best work without undue stress from financial worries.

Scholarships and Grants: The College gives a small number of tuition grants to deserving students who need aid and who have talent in debate, dramatics, band, choir, student publications and student leadership. To qualify for a grant of this kind the student must maintain a scholastic average of "C" or better. Special tuition concessions are granted to pre-theological students and to dependents of ministers of all denominations. To be eligible for the tuition remission allowed to ministers' dependents the student must be a full-time undergraduate student who is single and making his home with his parents. He must have and maintain a "C" average. The College also has available a number of endowed scholarships and annual gift awards for deserving and needy students in all fields of study. Interested students should contact the financial aid officer at the College.

Loan Funds: Centenary participates in: the National Defense Loan program, which loans up to $1,000 per academic year and requires that the student maintain a scholastic average of 2.5; Louisiana Higher Education Assistance Commission Loans, for residents of Louisiana in financial need, which also has a maximum of $1,000 a year and insists that the student maintain a scholastic average of 2.0 or better; the United Student Aid Fund Loans, which arranges maximum loans or $1,000 per academic year to students who maintain a scholastic average of 2.0; and the Methodist Student Loan Program, which helps needy students who are members of the Methodist Church and requires a grade point average of 2.0.

Evaluating Financial Needs: Students who are in need of scholarship aid or loan assistance should contact the Scholarship Committee or the Financial Aid Officer at the college. Academic performance and need are established. As a member of the College Scholarship Service, Centenary uses the Parents' Confidential Statement to help determine financial need. These statements may be obtained from the student's high school guidance office, or from the College Scholarship Service, Box 176, Princeton, N. J. 08540. The statement should be filed before February 15 of the year in which the student will request aid. In addition to this form, applicants for assistance must file a second less detailed form which is obtained from the Financial Aid Officer and returned to that office when it is completed.

Student employment: Students rarely are able to earn all of their expenses while attending college, but many students do pay part of their college expenses by working in the library, laboratories, and offices. The college Placement Office also assists the student in securing part-time employment off campus.

Admission of Transfer Students: Candidates for admission as transfer students are expected to fulfill the regular requirements, including secondary school records and test results. In addition, an official transcript of all college and university work must be submitted for evaluation of credit. Credit may not be transferred for any course taken at another institution unless that course or a reasonable equivalent thereof has been approved for offering at Centenary. Credit for such courses taken at other institutions will be transferred only if a grade of C or better has been earned in the course. Cumulative grade point averages will be calculated only on work attempted at Centenary.

IV
COLLEGE REGULATIONS

Admission to the College and attendance in classes are conditional upon acceptance of and compliance with the rules and regulations of the College as now established or hereafter revised. The very foundations of the College rest upon the Honor System, and therefore it is especially necessary that students understand clearly and comply wholly with the terms of the Code by which they must be bound so long as they remain students at the College. The provisions of the Honor Code are set out in *Gentlemanly Speaking,* and in a special booklet prepared by the Honor Court. Campus parking regulations are published in a special booklet obtainable from the business office. Other rules and regulations are published in this *Catalog.* Each student is responsible individually for knowing the rules of the College and for abiding by them.

The course offerings, rules, regulations and fees appearing in this *Catalog* are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and its general and academic regulations without notice should it be the judgment of the College that circumstances warrant such changes.

Registration: All students are required to register either during the pre-registration period or during the formal registration period designated by the College in the Academic Calendar. A late fee of $10.00 will be charged for the completion of registration after the last designated day for registration. Registration is complete when the appropriate cards and forms have been filled out properly and fees have been paid. Registration is for one semester only.

Course Load: Candidates for degrees (except those designated "special students") must register for at least 12 hours each semester. The normal course load ranges from 15 to 18 semester hours. Special permission must be obtained from the Dean of the College for any student to take more than 18 hours in any regular semester or more than nine in any summer session. Students of junior and senior standing who have an average of 3.0 and permission of the Dean may register for one course in excess of 18 hours without additional tuition charge.

Classification: Freshman students are defined as those with less than 27 semester hours, sophomores are those with 27 to 59 hours, juniors are those with 60 to 89 hours, and students with 90 or more hours are classified as seniors.

Major Fields of Specialization: A student who plans to become a candidate for a degree must select a field of specialization (major) by the beginning of his junior year. A departmental major consists of courses within one department totaling from 24 to 44 semester hours plus courses in one or more related subjects selected in conference with the chairman of the department which total from 12 to 30 semester hours. A divisional major consists of courses within one division which total at least 70 semester hours and include courses which are prescribed by the particular divisional majors. The College offers majors in art, biology, chemistry, economics, elementary education, English, foreign languages, geology, history and government, mathematics, philosophy, physical education, physics and engineering sciences, psychology, religion, sociology, speech and drama, and music.

Credits and Quality Points: Most courses at Centenary meet either three times a week for 50 minutes each period or twice a week for periods of 75 minutes each. Carried successfully for one semester, such courses earn three semester hours each. Year courses carried successfully earn six credits. Some courses such as laboratory sciences, physical education, engineering drawing and art earn only one semester credit hour for three class meetings a week.

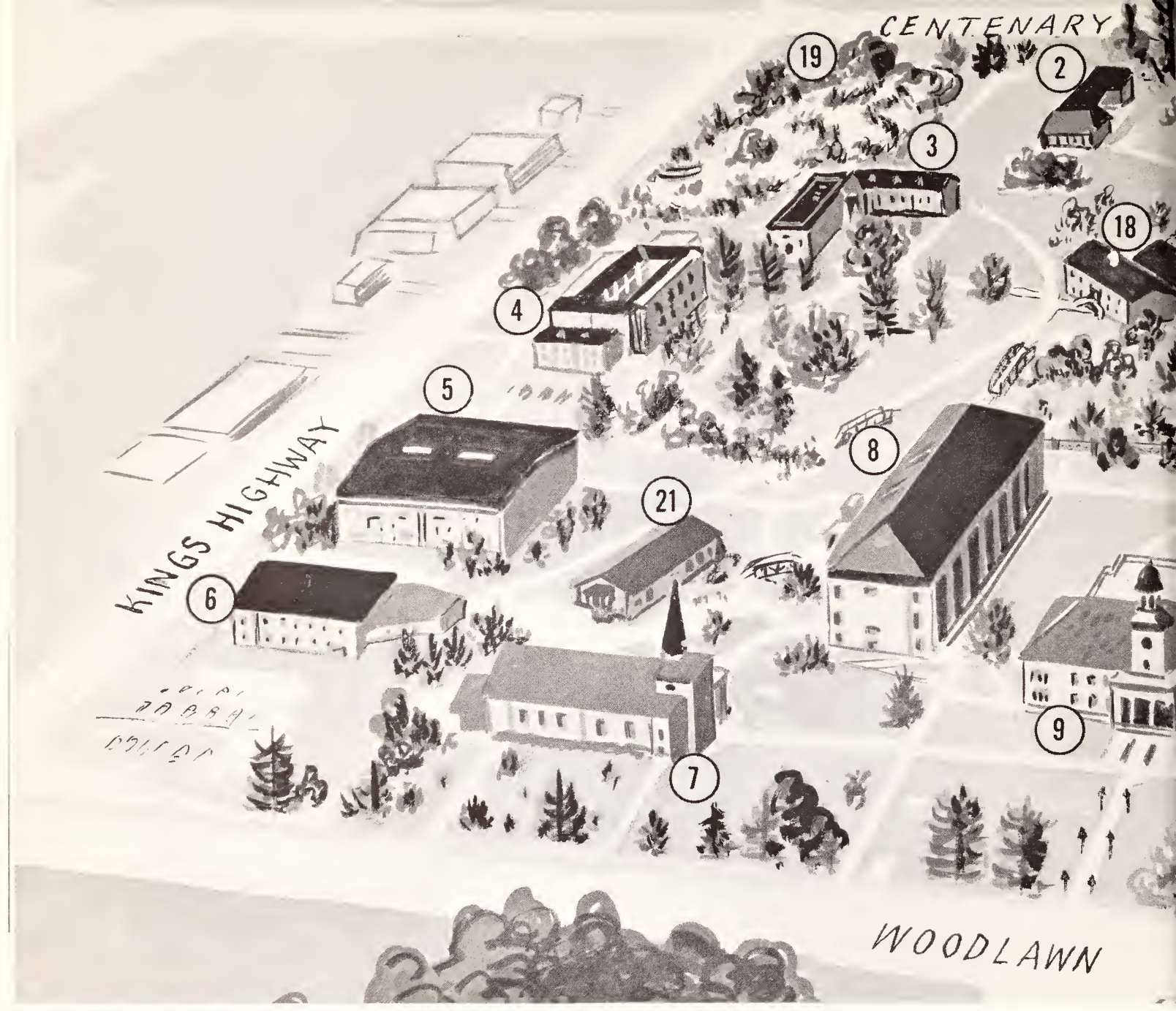
The College uses a 4.0 scale in calculating cumulative averages. To qualify for graduation, a student must achieve a cumulative average of 2.0 in all work taken in his major, and 2.0 in all other work taken in the College. To allow for adjustment, however, the Faculty has set a graduated scale of minimum cumulative averages which the student is expected to meet in order to remain in good academic standing. Freshmen must achieve a cumulative average of 1.6, sophomores must reach an average of 1.8, and juniors must meet a standard of 1.9.

Academic Honors: The baccalaureate degree is awarded *cum laude, magna cum laude* and *summa cum laude* to graduating seniors with cumulative averages of 3.5 or better. Candidates with averages between 3.5 and 3.7 are graduated *cum laude,* those with averages of 3.7 to 3.9 are graduated *magna cum laude,* and *summa cum laude* honors are awarded to candidates with cumulative averages of 3.9 and 4.0. In addition, beginning in the fall of 1969, students who qualify for admission to the Honors Program may also be graduated with departmental honors. Thus a student might graduate "Bachelor of Science, *magna cum laude,* with honors in physics," or "Bachelor of Arts, with honors in English."

Grading System: At the end of each semester, letter grades are given in each course. These grades and their numerical equivalents are:

A—93 to 100, four quality points per semester hour
B—85 to 92, three quality points per semester hour
C—78 to 84, two quality points per semester hour
D—70 to 77, one quality point per semester hour
F—below 70, no credits, no quality points
P—non-penalty grade signifying postponement and given to students in good academic standing who are unable to complete the work of the course in the scheduled time, no quality points
E—signifies conditional failure and counts as D in cumulative averages, one quality point
W—Withdrawal, no credit and no quality points

The P grade may be converted to any passing grade within the semester after it was received by completing the work of the course to



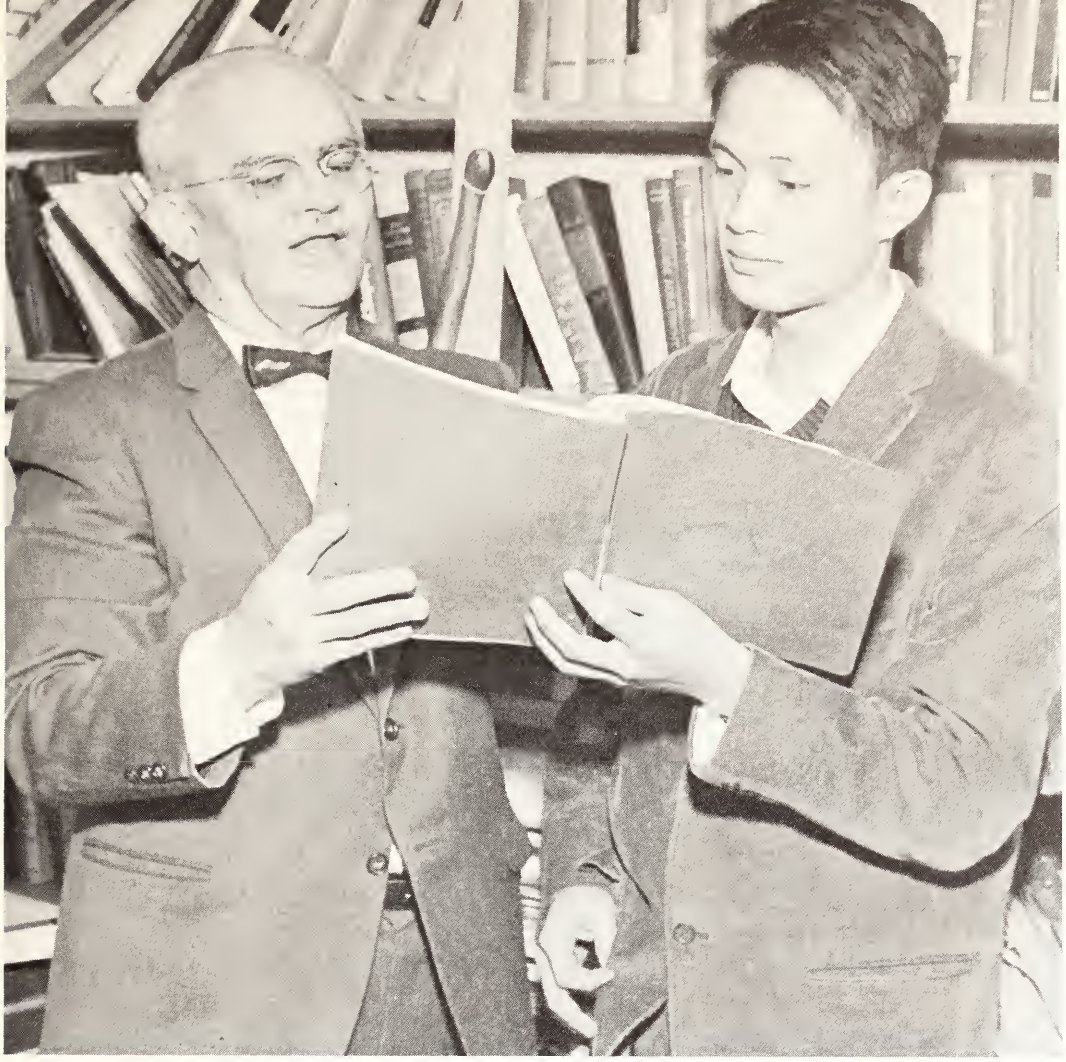
THE CENTENARY COLLEGE CAMPUS

1. The Administration Building
2. Jackson Hall
3. Rotary Hall
4. Pierce Cline Dorm
5. Haynes Memorial Gym
6. R. E. Smith Building
7. Brown Memorial Chapel
8. Mickle Hall of Science
9. Library
10. Morehead Memorial Gardens
11. Hurley Music Building
12. Marjorie Lyons Playhouse
13. Cafeterias
14. Sexton Hall
15. James Dorm
16. Hardin Hall

17. Hargrove Memorial Amphitheatre
18. Moore Student Center
19. Crumley Memorial Gardens
20. Tennis Courts
21. Honors Dorm

Adjacent to the campus

President's House
Kappa Sigma House
Tau Kappa Epsilon House
Kappa Alpha House
Alpha Xi Delta House
Chi Omega House
Zeta Tau Alpha House
Canterbury House
Baptist Student Union



the instructor's satisfaction. The E grade can be converted to a D within the semester after it was received by any method or assignment indicated as satisfactory by the instructor. If not converted to a permanent grade within the following semester, either an E grade or a P will be recorded as F.

At mid-semester during each term, instructors report to the Dean of the College all grades averaging below C. These are not official grades, but they are used as the basis for warnings that improvement is necessary. Students who receive F reports at midterm may not preregister.

Changing courses, Major, Degree Curriculum: After registration is ended, a charge of $5 will be made for any change of course not initiated by the College. Classes may be dropped or added only with permission of the instructors concerned and with the approval of the Dean of the College. Courses for credit may be added only up until the date indicated in the official Academic Calendar.

Changes from one major or degree program to another may be made with the approval of the advisers concerned. If a student drops a course after the last day specified by the official Academic Calendar, he will receive an F in the course. Permission after the deadline will

not be given to change from "credit" to "audit," nor can the student change a course from credit status to pass-fail basis after that date. The College reserves the right to drop any student from any course at any time for sufficient cause.

Withdrawal: If it should become necessary for a student to withdraw from the College, he must secure the permission of the Dean of the College and he must complete written forms available in the Dean's office. If the process of withdrawal is not properly completed when the student leaves the College, he will receive an F grade for all courses in which he is enrolled.

Class attendance: Students are expected to attend every meeting of their classes, and in case of reasonable cause or circumstances beyond their control, it is their individual responsibility to report circumstances to the instructor. Students who are frequently absent, who are absent more than four times in classes meeting three times weekly, or absent more than three times in the twice-weekly courses subject themselves to being dropped, taking special examinations or completing extra work assignments. Absences from consecutive class meetings for a week will be reported to the Dean of Students. Unexcused absence from a final examination may earn an F in the course.

Chapel and Assembly Attendance: All fulltime students are required to attend Thursday Chapel services, the Willson Lectures, and all-college convocations. Credit is given if a student attends at least two-

thirds of the Chapel programs, but it does not count toward a major, minimum load or tuition cost, and it should not be considered transferable. A grade of F will be given and an additional hour of credit must be earned in a subject approved by the Dean if less than the minimum number are attended.

Probation and Dismissal: Academic probation is a warning measure. A student will be placed on probation if his cumulative average falls below the standards set by the Faculty for his particular classification, or if at the end of any year his cumulative average in courses taken in his major falls below 2.0. Probation is for a period of one year, but a student who plans to attend summer school in an effort to lift his probation may petition the Dean of the College for an extension of his probation. Any student who fails to achieve good standing by the end of his probationary period will be suspended from the College for a minimum of one semester. A student so suspended may be readmitted to the College by the Dean, but he will be placed

on probation and allowed only one semester to improve his academic standing. A second suspension constitutes permanent dismissal from the College.

Final Examinations: All students are required to take the written examinations of from two to three hours duration at the end of the semester in all courses except those in which the material required does not lend itself to this type of measurement. An exception to this is the senior candidate for a baccalaureate degree whose work is of A or B quality. If the instructor of the course permits, he may be excused from the examination in that course.

Course Sequence: Students who have received F in a course will not be permitted to enroll in a more advanced course in the same subject until they have repeated the course with a passing mark. It is possible, but not recommended, for a student who has failed the first half of a year course to enroll in the second half if he has the approval of the Dean and the instructor. Students who have received an E grade in a course may, with the permission of the instructor, enroll in a more advanced course in the same subject.

English Proficiency: During the junior or senior year, all candidates for degrees must pass an English proficiency test consisting of a short theme on one of a choice of subjects. Those students who fail

this test are referred to members of the English Department for counseling. These students must take the test again and pass it.

Graduate Record Examinations: All seniors are required to take the Graduate Record Examinations, which are given in the spring and the fall of each year. Any student who fails to take the examinations at a time scheduled by the College may take them at a time scheduled by the Educational Testing Service and supply the College with a report of his scores.

Correspondence Courses: Centenary College does not offer correspondence courses, but a limited amount of elective credit may be earned by correspondence study with accredited colleges or universities.

Centenary will accept only those courses which the institution involved would accept toward its own baccalaureate degree. Neither

courses in the student's major field nor those specifically required for graduation may be taken by correspondence. Taking of courses for correspondence credit is permitted only by special arrangement with the Dean of the College, and students taking such courses may have to pass a special examination at the Dean's discretion.

Pass-Fail Courses: Junior and senior students may enroll for one course each semester for degree credit but not for letter grade. The usual credit will be given for the course if the student completes the work satisfactorily, but the grade recorded will be either Pass or Fail. Neither courses in the core curriculum nor in the student's major may be taken on the pass-fail basis, and a maximum of four such courses is allowed each student. After classwork has begun, a student may not change a pass-fail registration to a regular enrollment nor a regular enrollment to a pass-fail.

Washington Semester Program: Certain selected students are permitted to spend one semester of their junior year at the School of Government and Public Administration of The American University in Washington. The purposes of the program are to provide an opportunity for students to observe their government in action, to perform individual research under careful supervision, and to exchange ideas with students from many other institutions. Each participating student works on an individual project, selecting three courses to complement his program. Projects and courses are chosen in consultation with the faculty adviser, and credit for the semester is granted by Centenary.

Monterrey Summer Session: Students of Centenary are eligible to apply for admission to the summer session at the Instituto Tecnologico in Monterrey, Mexico. Six semester hours of college credit may be earned in any level of Spanish, history, economics, sociology, and other subjects. The work is accredited by the Southern Association of Colleges and Schools. Application forms may be obtained from Dr. Leroy Vogel, chairman of the Department of History at Centenary, who accompanies the students each summer.

DEGREE REQUIREMENTS

To qualify for the baccalaureate degree at Centenary a student must:

1. Earn no less than 124 semester credit hours of work with an average of two quality points per semester hour. Of these credit hours, 120 must be in subjects other than physical education activities. The work of the senior year, totaling not less than 30 semester hours, must be taken in residence, except as hereinafter specified. If courses are repeated, both sets of quality points will be included in the average.

2. Earn an additional hour in General Education 121 (Assembly) for each semester in which he is enrolled as a fulltime student as a supplement to the 124 hours required for graduation. This regulation applies to all students no matter under which year's *Catalog* they first matriculate.

3. Meet the basic requirements for the degree required.

4. Meet the requirements for a departmental or a divisional major.

5. Maintain a quality point average of 2.0 or higher in courses taken in the department or division of the major and of 2.0 in all other work as well.

6. File a degree plan in the Office of the Registrar before the last semester of the senior year.

7. Be present at the Commencement exercises to receive the degree conferred.

8. Discharge all financial obligations to the College.

9. Meet the requirements of a *Catalog* published in one year of his attendance and within five years of his graduation.

Foreign Language Requirements: Candidates for the Bachelor of Science Degree in education, engineering sciences and physical education can satisfy the requirements with one year of foreign language in college. All other candidates for baccalaureate degrees will be required to complete the second year (courses numbered 201-202) of a foreign language. When two years of a foreign language have been taken in high school, this requirement can be met without taking the first year of college work.

Core Curriculum: Sixty semester hours of prescribed work are required of all students, including six hours of Religion 201-202. Members of churches which specifically forbid the study of religion at a Protestant institution may be allowed to meet the religion requirement by taking six hours of work chosen from Philosophy 301, 302, or English 313. Required work includes:

English 101-102, 201-202	12 hours
Religion 201-202 (note exception above)	6 hours
Natural Science with Laboratory	8 hours
Mathematics (3 hours in 105 or higher)	6 hours
Physical Education	4 hours
Social Science	12 hours
Foreign Language 201-202 (note exception above)	6 hours
Speech 200	3 hours
Great Issues (General Education 402)	3 hours
	60 hours

Recommended Freshman Study Course: During the freshman year students do not have to specialize. All subjects normally taken are courses which will be needed no matter what major is elected. Even where a major has been decided upon, the Faculty counselor will allow or recommend certain variations. Although exceptions will be allowed, the general recommended course for freshmen is:

English 101-102	6 hours
French, German, Spanish or Latin	8 hours
Mathematics	6 hours
Chemistry, Biology, Geology or Astronomy	8 hours
Physical Education	2 hours
	30 hours

Exceptions: When a student arrives at Centenary, he is given placement tests. With these test scores and with his high school record, a faculty member will confer with him before registration. If it appears that the general recommended course is not advisable in a particular case, he will suggest that the student postpone one of those courses until later, and take instead a course in history, speech or whatever may best suit his interest and preparation. For certain areas of interest, it is important to take specified courses in the proper order. Students should particularly note the sections on pre-professional programs and courses required for a degree with a major in music. Every effort is made to keep schedules flexible in a way that will make work most interesting and profitable. The Faculty adviser, just before registration, will assist in this matter.

Other Baccalaureate Degrees: To qualify for a second baccalaureate degree, a student must present at least 30 additional semester credit hours of work and must meet all requirements for a new major. At least 24 of these 30 hours must be taken in residence. The candidate must meet the requirements of the catalog of the year he enrolled for the second degree and must complete them within five years. No student is eligible for more than two undergraduate degrees at Centenary.

V
COURSES OF INSTRUCTION

Centenary College offers three degree programs, one leading to the Bachelor of Arts, one to the Bachelor of Science, and a third to the Bachelor of Music. B.A. degree programs offered include majors in art, economics, education, English, French, Spanish (or any combination of French, German, Latin and Spanish), history-government, mathematics, music, philosophy, psychology, sociology, religion, speech drama, and speech education.

The college also offers several interdisciplinary programs, including the B.A. in humanities, the B.S. in social sciences, and the B.S. in natural sciences. The divisional major is specifically designed for students wishing a broad background in a general area of knowledge rather than specialized training in a single subject. It is suited to those students who plan to take graduate study in schools of business, education, engineering, law, dentistry, medicine, or theology. It is also recommended for those who do not plan intensive study in a single limited area of knowledge.

In cooperation with Columbia University, Louisiana Polytechnic Institute, Texas A & M, and the University of Arkansas, Centenary offers the "three-two" program in liberal arts and engineering. Under this program, students enrolling satisfy three years of liberal arts requirements at Centenary for the B.A. degree, and follow this with two years of professional work toward the B.S. at the chosen institution.

Students interested in the "three-two" professional program for engineers should consult with the chairman of the Department of Physics; those interested in pre-dental, pre-medical and other medical arts should consult with the Biology Department chairman; the chairman of the Department of History and Government should be consulted for the pre-law curriculum; and those considering the pre-theology program as preparation for seminary should consult with the chairman of the Department of Religion.

HONORS WORK

Beginning with the 1969 fall semester, Centenary will offer an Honors Program to interested students of outstanding ability. The program will be optional with the different departments of the College, but any program elected by any department will include provision for independent study plus papers, research reports and/or showings or

public performances where the arts are concerned. To be eligible for admission to candidacy for Honors a student must have a grade-point average of at least 3.0 in both major and non-major subjects, he must maintain these averages to remain in the program, he must have his candidacy for Honors approved by his major department and by the College Honors Committee, he must have attained junior standing, and he must normally have earned more than half of his credits at time of admission to the program in residence at Centenary College. Candidates for Honors must also spend a minimum of two semesters in the program to qualify.

Attainment of departmental honors does not supplant traditional graduation honors. Thus a student may graduate "Bachelor of Science, *magna cum laude,* with Honors in Physics," or "Bachelor of Arts, with Honors in English," or "Bachelor of Science, *summa cum laude.*"

A limited amount of Honors Work is now available for qualified students. Interested students should consult department chairmen for information.

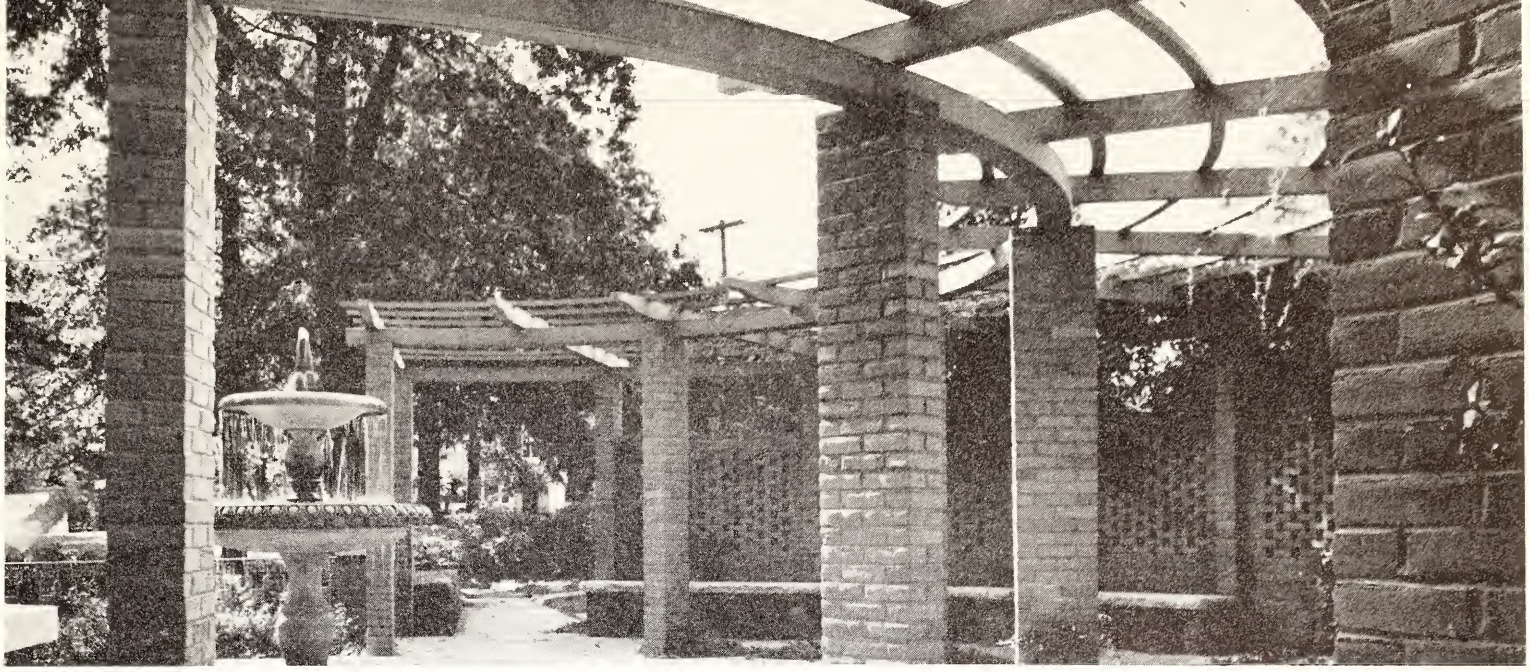
EXPLANATION OF COURSE LISTINGS

On the following pages are listed the courses which students may take. In addition, a schedule of classes is published prior to the date of registration for each semester which lists each course to be offered that session, together with the hour each class meets, the day and the place.

Courses numbered 100 to 199 inclusive ordinarily are taken in the freshman year; those numbered 200 to 299 in the sophomore year; and those numbered 300 to 399 in the junior to senior years; and those from 400 to 499 in the senior year. Those beginning with zero carry no college credit.

Unless otherwise specified in the course description, courses normally offered in the first semester bear odd numbers while those offered in the second semester are evenly numbered. Courses bearing a single number continue for one semester only, and those with double numbers continue through two semesters.

Centenary courses organized so that the student may enroll in and receive credit for either half without the other half have double numbers separated by a comma (205, 206). Courses requiring the first half as prerequisite for the second half have double numbers separated by a hyphen (205-206). Semester courses so closely integrated that both halves must be completed before credit is received in either have double numbers separated by hyphens and enclosed in parentheses. An example of the latter instance would be (101-102).



When a course carries three figures relating to hours, the first figure designates the number of lecture hours a week, the second the number of lab hours a week, and the third the number of semester hours credit earned. An example of this type of listing would be 3-3-4, or three lecture hours a week, three lab hours a week, and four hours of credit for the course.

ART

Professor Cooper, *Chairman*

Lecturers: Friedenberg, Sutton, Adams

Major Requirements

The Art Department is an integral part of the liberal arts program and is not intended to take the place of a professional art school, but rather to furnish a broad background of basic knowledge in order to increase the possibility of full expression. The goal of the department is to give the student sound training in drawing, painting, art history and technique and to encourage creative thinking and productivity.

A major in art must take 38 semester hours in the department, including the following courses which should be taken consecutively: 103-104, 203-204, 303-304, 401-402 and 403. The remaining departmental hours are taken in art history, the graphic arts and materials and techniques. In addition, two hours of music and six hours of speech and drama must be selected, however, the requirements in music and drama may be met by Fine Arts Survey 197-198.

01. Ceramic Jewelry **No Credit**

Pouring, glazing and firing ceramic jewelry and some instruction in the use of a press mold. Offered in the evening division.

101. Survey History of Art **3 Hours**
An historical survey of painting, architecture, and sculpture from prehistoric times to the Italian Renaissance.

102. Survey History of Art **3 Hours**
A history from the Italian Renaissance to the contemporary schools in Europe and the United States.

103-104. Drawing and Composition for Beginners **6 Hours**
Basic training stressing draftsmanship and the elements of picturemaking. Drawings done in black and white, and in color. Outside compositions done for a weekly criticism class. This course, or its equivalent, is prerequisite to all advanced drawing and painting courses. Six studio hours a week.

105-106. Introduction to Art **6 Hours**
A beginner's course for students whose field of concentration lies in other departments and who have had no previous training in art. Not open to art majors or to those who have had 103-104. Six studio hours a week.

107. Art Appreciation **1 Hour**
A non-technical course for the general college student. No credit toward an art major. Arts of the past and present studied in relation to their social and cultural backgrounds.

203-204. Advanced Drawing and Composition **6 Hours**
The essentials are still stressed with more experiments with different media and methods of expression. Outside compositions done for a weekly criticism class. Six studio hours a week.

205-206. Advanced Painting in Water Colors **6 Hours**
Six studio hours a week.

207. Arts and Crafts **3 Hours**
A development of basic skills in handicrafts, basic concepts, and techniques in art. Especially helpful for the elementary school teacher, but not limited to teachers. Open to anyone, with instructor's approval.

208. Interior Design and Decoration **3 Hours**
An historical survey of interior design from ancient Egypt to the present day, with special emphasis on the styles and trends of each of the well-known periods. The course is primarily academic, but some laboratory work is required.

209. Commercial Art **3 Hours**
Offered in the evening division.

301-302. Graphic Arts **6 Hours**
Prerequisite: Art 204 or instructor's approval. A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Three hours a week with outside work.

303-304. Painting **6 Hours**

Proficiency in the use of oil paints is regarded as basic, but the student is encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

305. History of American Art **3 Hours**

The cultural and artistic development of our nation over the last 400 years as expressed in painting, sculpture, architecture, graphic arts, the decorative arts, and city planning.

307. Materials and Techniques **3 Hours**

Prerequisite: 204 or instructor's approval. A systematic study of the less common methods of painting, including encaustic, polymer, egg-tempera, casein, and plastics, and an examination of the techniques of some of the old masters. Lecture, studio, and outside work.

401-402. Advanced Painting **6 Hours**

During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a Senior Exhibit of his best work. Outside compositions will be brought in each week. Six studio hours a week.

403. Art Seminar **2 Hours**

Second semester. Prerequisite: Instructor's approval. A review of the history of art, and the facts and principles which are emphasized in all of the courses required for a major in art.

421-422. Honors Course in Art **6 Hours**

Open to qualified art majors. Work may be done in research and reading, or in painting. The student will follow a work plan arrived at in cooperation with the chairman of the department, and must consistently furnish evidence of seriousness of purpose.

BIOLOGY

Professor Warters, *Chairman*

Professors: Lee, Wilkins

Lecturer: Mrs. McFarland

Major Requirements

The courses in this department are designed to emphasize the general cultural values of the biological sciences and the practical aspects of biology as related to man, as well as to provide a broad background for graduate study in this science or for the numerous professions related to this field of study. A major must take 34 semester hours in biology,

of which 16 must be in courses numbered 300 or above. Biology 101-102 is required for all courses in the department. Additional requirements are Mathematics 106, 201, Chemistry 201-202, Physics 202 and 203.

101-102. Principles of Biology **3-0-6 Hours**
A study of general principles and phenomena common to both plants and animals. Emphasis is placed on the cell concept, metabolism and its physical and chemical basis, the morphology and life history of representative plants and animals, ecology, heredity and evolution.

111-112. Principles of Biology Laboratory **0-3-2 Hours**
A laboratory course required of all students enrolled in Biology 101-102 and to be taken concurrently.

201. Plant Morphology **3-3-4 Hours**
A phylogenetic study of plants from the simpler to the more complex specialized forms. Comparison of plants through the ages, living and fossil relationships, emphasizing development and reproduction of the plant body.

202. Plant Taxonomy **3-3-4 Hours**
A course in the identification and classification of plants native to this area or found in local cultivation.

203. Comparative Anatomy of Vertebrates **2-6-4 Hours**
A comparative study of the vertebrate systems and their phylogenetic development. Dissections are made of the shark, mudpuppy and cat.

204. Embryology **3-3-4 Hours**
Gametogenesis, fertilization and early embryonic development of chordates; vertebrate ontogeny as seen in the chick and pig.

210. Introduction to Entomology **3-3-4 Hours**
1969-1970 and alternate years. A survey of class Insecta with emphasis on the identification and control of insects which affect the health of man, and of those insects which are of economic importance to the South.

217. Human Anatomy and Physiology **3-3-4 Hours**
A basic course designed especially for students interested in physical education, medical technology, physical therapy, and nursing.

302. Microtechnique **2-6-4 Hours**
1968-1969 and alternate years. Preparation of tissues for microscopic study.

303. Plant Physiology **3-3-4 Hours**
1968-1969 and alternate years. Prerequisite: Chemistry 101-102, 111-112. A study of nutrition, growth and reproduction of plants and their physiological response to environment factors.

304. Invertebrate Zoology **3-3-4 Hours**
1968-1969 and alternate years. The taxonomy, morphology, physiology, and life histories of the invertebrate animals.

305. Ecology **3-3-4 Hours**
Prerequisite: Chemistry 101-102, 111-112. A study of the interrelations of living things with reference to their nonliving environment.

306. Microbiology **3-3-4 Hours**
1969-1970 and alternate years Prerequisite: Chemistry 101-102, 111-112. A general course dealing with the morphology and physiology of microorganisms, including their relation to disease, sanitation, food preservation, dairy products, soil fertility, and industry. Some consideration is given to pathogenic fungi and to viruses.

313. Genetics **3-3-4 Hours**
Principles of heredity and their practical application in the breeding of plants and animals.

402. Human Physiology **3-3-4 Hours**
1968-1969 and alternate years. Prerequisite: Biology 203, Chemistry 202. Fundamental principles and recent advances in the study of human physiology.

406. Histology **3-3-4 Hours**
1969-1970 and alternate years. Prerequisite: Biology 203 or 217. Microscopic study of the tissues and organs of the human body.

409, 410. Biology Problems **1, 2, or 3 Hours**
Prerequisite: 20 hours of biology and consent of staff. Special problems in biological investigations designed to introduce the student to biological research. A written report is required.

CHEMISTRY

Professor Hanson, *Chairman*

Associate Professor: S. A. Taylor

Assistant Professors: Seidler, C. B. Lowrey, Hood

Lecturer: Tully

Major Requirements

The Chemistry Department offers a program to serve three types of students: those who plan to become professional chemists in industry and education, those who expect to use chemistry in other professions or occupations, and those who desire a science course for training in the scientific method of thought and a broader background in science. The Chemistry Department is one of a limited number of departments approved by the American Chemical Society for the training of chemists. For the B.S. in Chemistry, majors must take Chemistry 202, 206, 352, 354 and their prerequisites; two additional semesters of advanced chemistry, (for A.C.S. approved major, three semesters of advanced chemistry) mathematics through differential equations; Physics 203, 202; German 202; and the core curriculum requirements in the social sciences and humanities.

101-102. General Chemistry **3-0-6 Hours**

First semester: A study of atomic and molecular structure, the kinetic molecular theory, oxidation-reduction reactions, and stiochiometric relationships in chemical reactions.

Second semester: A study of the theory and principles of chemical equilibria, and the properties of the more common elements and their compounds. Either of these semesters may be waived for students who demonstrate that they are proficient in these subject areas.

105. Introduction to Chemistry **3-0-3 Hours**

A study of the impact of chemistry on the activities of man at various periods in history. Fundamental concepts and principles of chemistry are introduced where necessary for an understanding of the topics discussed. Intended for non-science majors. May not substitute for any other chemistry course. Offered each semester.

111-112. General Chemistry Laboratory **0-3-2 Hours**

Individual laboratory work designed to accompany Chemistry 101-102. First semester: A study of the techniques employed in chemical investigations and theories and fundamental principles of chemistry. Quantitative methods of analysis are introduced. Second semester: Selected gravimetric and volumetric analyses are performed. Inorganic qualitative analysis methods are studied.

115. Introduction to Chemistry Laboratory **0-3-1 Hours**

Laboratory to accompany Chemistry 105. Experiments are selected to acquaint the student with the scientific method and the general principles of inorganic and organic chemistry. May not substitute for any other chemistry course. Offered each semester.

201-202. Organic Chemistry **3-3-8 Hours**

Prerequisite: Chemistry 102, 112. A systematic study of the various series of organic compounds and the mechanisms by which they react. Mono-functional compounds are studied in the second semester. The laboratory work is on a semimicro scale and includes introductory qualitative organic analysis.

206. Organic Preparations **0-3-1 Hours**

Additional laboratory work to accompany Chemistry 202. Selected organic synthetic methods are studied and syntheses are carried out on a macro-scale. Offered yearly.

215. Analytical Chemistry **3-6-5 Hours**

A study of the theory of analytical separations and the qualitative and quantitative determination of components of mixtures by selected gravimetric, volumetric, and instrumental methods of analysis. Offered yearly.

351-352. Physical Chemistry **3-0-6 Hours**

Prerequisite: Chemistry 215, Math 202, and Physics 102, 202. An introduction to the laws that explain the properties of gases, liquids, crystals and colloids, and the behavior of their mixtures; chemical thermodynamics; kinetics; electro-chemistry; photochemistry; atomic and molecular structures.

353-354. Physical Chemistry Laboratory **0-3-2 Hours**
Laboratory work designed to accompany Chemistry 351-352.

421. Qualitative Organic Analysis **2-6-4 Hours**
Prerequisite: Chemistry 202 and 426. A study of the theory and practice of the separation of organic mixtures and the identification of the individual components of the mixture. Semimicro procedures are used for both chemical and instrumental methods. Offered yearly.

422. Inorganic Chemistry **3-0-3 Hours**
Prerequisite: Chemistry 352 or concurrent registration in 352. An advanced course in which a study is made of the theories of valency and bonding, and of the structure and properties of selected elements and their compounds. Offered yearly.

426. Advanced Analytical Chemistry **3-6-5 Hours**
Prerequisite: Chemistry 352 or concurrent registration in 352. A study of the theory and application of instrumental methods of separation and analysis. Includes absorption and emission spectroscopy, chromatographic methods, and electrochemical methods. Offered yearly.

427. Undergraduate Research **1-6-3 Hours**
Prerequisite: Senior standing in chemistry or consent of the instructor. Work may involve library and laboratory research, or extensive library research on selected topics. A written report and an oral presentation is required on all work done. Offered on demand.

ECONOMICS AND BUSINESS

Professor Berton, *Chairman*

Professor: Pate

Assistant Professors: James M. Harris, McPherson

Lecturers: Adamzcak, Beard, Casavant, Cole, Cook, Elgin, Freelund, Hardy, Holland, Keen, Mayo, C. McPherson, Patterson, Richardson, Rosengrant, Tillman, Trichel, Wilson

Economics

Major Requirements

The economics major offers training for the citizen who to a degree must be an economist in his daily life; for the business man who must make decisions in the light of economic developments; and for the economist who is concerned with the manner in which the economic system as a totality operates. The B.A. in economics requires 30 semester hours in economics and Business (202-203). The 30 hours must include Economics (201-202), which is prerequisite for all 300 and 400 level courses, Economics (301-302), 329 and approval of course of study by departmental adviser. Mathematics 106 is required for the class of 1972 and after. Business 414, 425, and 426 may be used to satisfy major requirements in economics. Business (203-204) is prerequisite for all 300 and 400 level courses.

123. Economic History of the U. S. **3 Hours**
A survey course tracing the development of agriculture, industry and commerce in U. S. history.

201-202. Principles and Problems of Economics **6 Hours**
Economic concepts, basic principles and laws, institutional development and economic analysis. Each semester.

(301-302). Statistics **6 Hours**
Frequency distribution analysis, time series, index numbers and simple correlation. Recommended for majors in education, psychology, sociology and business. Each semester.

311. Intermediate Micro-Economic Theory **3 Hours**
Essentials of the neo-classical theory of production, value and distribution theory. Yearly.

312. Intermediate Macro-Economic Theory **3 Hours**
Essentials of aggregate economic analysis. Yearly.

324. Labor Problems **3 Hours**
A study of the development and place of organized labor in modern economic society. Yearly.

326. Public Finance **3 Hours**
A study of governmental functions and revenues, shifting and incidence of taxation, public expenditures and their effects, and fiscal policy. Yearly.

329. Money and Banking **3 Hours**
The structure and operation of our money and banking institutions, with emphasis on the place of money and banking in the economic life of the community. Yearly.

402. Growth and Stability **3 Hours**
Prerequisite: Economics 329. Factors determining economic development with emphasis on the problems of cycles and inflation.

410. Managerial Economics **3 Hours**
Application of the theory of profits, competition, demand and costs to analysis of decision-making by firms. Yearly.

411. Government and Business **3 Hours**
The economics of government regulation in the institutional setting of the U. S. and the private enterprise system. Recommended for government, history and sociology majors. Yearly.

421. Comparative Economic Systems **3 Hours**
The nature and operations of alternative systems for determining resource allocation and utilization. (Same as Government 421.)

440. International Economics **3 Hours**
Foreign trade and finance in today's economic and political setting. Recommended for government, history and sociology majors.

470. Seminar in Economics **1-3 Hours**
Independent study by invitation only. By request.

Business

There is a general agreement today that the businessman needs training in the liberal arts. Courses in the humanities, in mathematics and natural sciences, and in social sciences equip the businessman with the analytical ability and the breadth and flexibility of mind necessary to cope with a technological, social, economic and political environment that changes with bewildering rapidity.

Accordingly, Centenary deemphasizes "training for the first job" because of the danger of concentration on a narrow range of factual knowledge and the development of largely routine skills, none of which might be useful except in certain specific techniques. The narrower the student's training the less equipped he will be to cope with change and to learn from experience on the job.

In the courses designed to train the student in the area of business, Centenary therefore places emphasis on a broad base of fundamental knowledge and the development of certain basic skills on which the student can build through experience obtained after college. To this end the business curriculum is built around the quantitative and behavioral sciences. The quantitative area is stressed so that the student will learn the use of quantitative data for decision making. The behavioral sciences are emphasized so that the student will better understand the behavior patterns of formal organization and the problems which arise when men attempt to work closely together.

Major Requirements

For the B.S. in business, the requirement is 30 semester hours of business, which must include Business (203-204), Economics (301-302), Economics 329; and Business 321, 323, and 346. Mathematics 106 is required for the class of 1972 and after. The remaining hours may include Economics 311, 324, 410 and 411. Prerequisite: Business (203-204) and Economics (201-202) are prerequisite for all 300 and 400 level courses.

The balance of the 124 hours required for graduation should be chosen from the following recommended electives: Humanities: English 309, 312; Foreign language; General Education 197, 198; Philosophy 201,

202, 203, 302, 303, 304; science and mathematics: Chemistry 105, Geology 101, Mathematics 202, Physics 112; social science: Government 201, 309, 310, History 313, 314, 321, 322, Psychology 201, 311, Sociology 101, 102.

(203-204). Principles of Accounting **6 Hours**
Prerequisite: Sophomore standing or consent of instructor. Study of the theory of accounts, the fundamental accounting equation, and the preparation and analysis of statements. Yearly.

305-306. Intermediate Accounting **6 Hours**
Application of accounting theory in income determination, in asset evaluation, and in the history of accounting thought. Yearly.

307. Financial and Administrative Accounting **3 Hours**
Management's use of accounting data for planning and control purposes. A course designed for those who will need more than a perfunctory knowledge of accounting, but less than that demanded of career accountants.

309. Cost Accounting **3 Hours**
The principles, theory and procedures of accounting are applied to job order, process, and standard cost systems. The preparation, analysis and interpretation of statements based upon cost data. Yearly.

321. Principles of Management **3 Hours**
A study of organizational theory, policies and procedures common to any institution charged with the responsibility of achieving a common goal. Yearly.

323. Business Law **3 Hours**
A study of the legal aspects of business transactions. Introduction to personal property contracts as well as agency, partnership, negotiable instruments, sales and conditional sales contracts, and to the law of commercial paper. Yearly.

328. Human Relations **3 Hours**
Prerequisite: Business 321. A study of individual, small group and organizational behavior in the business setting. The problems of motivation and communications are studied in goal-oriented activity. Yearly.

346. Principles of Marketing **3 Hours**
A study of the distribution of goods and services from producer to consumer. Channels of distribution, marketing functions, institutions and costs will be studied. Yearly.

405. Marketing Logistics **3 Hours**
Prerequisite: Business 346. Blends the principles of economics and marketing with the components of logistics to give a comprehensive study of the physical flow of goods in our society. Yearly.

407. Advanced Accounting **3 Hours**
Theory and problems related to partnerships and consolidations. Yearly.

408. Quantitative Decision Making **3 Hours**
Prerquisitie: Economics 301-302. A study of the development and use of quantitative analytical techniques in decision-making.

409. Auditing **3 Hours**
Prerequisite: Business 305-306. A study of the principles underlying the verification of accounting records and statements, with emphasis upon the making of working papers and the writing of audit reports. Yearly.

412. Income Tax **3 Hours**
Study of the federal regulations, preparation of individual, partnership, and corporation income tax returns. Yearly.

413. C. P. A. Problems **3 Hours**
A study of questions and problems given by the American Institute of Accountants in the semi-annual C. P. A. Examinations. Permission of Instructor.

414. Research Techniques and Forecasting **3 Hours**
Prerequisite: Economics (301-302). The formulation of the problem, data sources and data problems formulation of the hypothesis and basic research design and techniques are studied.

415. Electronic Computers and Their Use **2 Hours**
Programming and data processing systems of electronic computers.

425. Business Finance **3 Hours**
A study of the channels for obtaining capital for corporate promotion, expansion, and reorganization; financial management analysis. Yearly.

426. Investments **3 Hours**
A study of the principles and problems determining sound investment policy. Yearly.

471. Seminar in Business Policies **3 Hours**
A reading and research course open to seniors by invitation.

Evening Division Courses

Courses are offered on demand. Prerequisite for credit: Approval of instructor.

207-208. Petroleum Accounting **6 Hours**
A specialized course in petroleum accounting presenting methods and procedures used in the oil and gas industry.

209-210. Public Utility Accounting **6 Hours**
A course designed to acquaint the student with accounting procedures followed by natural gas, electric, and telephone companies.

301. Real Estate Principles **3 Hours**
A survey course dealing with the fundamental branches of real estate, including advertising, selling, financing, building construction, building management, and settlement. Offered in cooperation with the Shreveport-Bossier Board of Realtors.

310. Intermediate Cost Accounting **3 Hours**
Advanced process cost procedures: "expected" and "basic" cost systems; special procedures for accounting for avoidable and unavoidable spoilage; fundamentals of direct costing.

320. Personnel Management **3 Hours**
A survey of the organization and administration of personnel departments, education and training policies, wage policies, and the maintenance of favorable industrial relations.

322. Small Business Operations **3 Hours**
Organization and operation of a small business, including capital and credit and managerial problems.

343. Salesmanship **3 Hours**
Techniques of selling related to buyer and seller.

348. Credit and Collections **3 Hours**
The fundamentals of credit policy.

ENGLISH

Professor Morgan, *Chairman*

Professors: Clark, Guerin, Labor, Marsh

Instructors: Buckner, Fackler, Gary, O'Dell, Willis

The purpose of courses in English is to develop skill in written communication and to develop critical judgment and appreciation of the work of major writers in relation to their social and intellectual background. The department prepares its majors for teaching in secondary schools and for admission to graduate schools.

Major Requirements

A candidate for the B.A. in English must complete 18 semester hours of English in courses of 300 and 400 level in addition to the English requirements in the core curriculum or their equivalents. At least one course from each of the following groups is required: Medieval (321, 401, 404); Renaissance (309, 310, 316, 402, 404); Restoration and 18th Century (317, 318, 330); Nineteenth Century (303, 304, 330); American (305, 306, 311, 312, 405); Elective (307, 311, 312, 322, 342, 406).

Art 101 or 102 and Music 143 or 144 are required. Majors expecting to teach at the secondary level must take English 307 or English 342.

101. Freshman Composition **3 Hours**
A course in the principles of expository prose, with emphasis upon reading and upon writing clear, logical, and correct prose in assigned themes. Offered each semester.

102. Introduction to Literature **3 Hours**
Prerequisite: English 101. An introduction to representative types of fiction, drama, and poetry, with continuing emphasis on writing. Offered each semester.

201. Major British Writers **3 Hours**
Intensive study of selected writers from Chaucer through Boswell. Offered each semester.

202. Major British Writers **3 Hours**
Intensive study of selected writers from Wordsworth to the present. Offered each semester.

205. Children's Literature **3 Hours**
A survey of children's literature through the ages, with special attention to developing a love of reading and a knowledge of genres and motifs and to related literary matters like vocabulary-building, knowledge of other cultures, and, where appropriate, history and biography. Open only to students who are certifying in elementary education Offered each semester.

303. Romantic Poetry and Prose **3 Hours**
A detailed study of the major Romantic poets and of selected prose works which set forth the critical and esthetic standards of the Romantic movement. Offered in 1969-1970 and alternate years.

304. The Victorian Period **3 Hours**
A study of representative Victorian writers, exclusive of the novel. Offered in 1969-1970 and alternate years.

305. Survey of American Literature, 1630-1870 **3 Hours**
A survey of American writing from colonial times to about 1870, with attention to recent trends in the development of American literature. Offered yearly.

306. Survy of American Literature, 1870 to the present **3 Hours**
A survey of American writing from about 1870 to the present, with attention to recent trends in the development of American literature. Offered yearly.

307. History of the English Language **3 Hours**
A survey history of the language and an introduction to linguistics. Particular attention paid to phonology, morphology, and syntax. Offered in 1968-1969 and alternate years.

309. Shakespeare: Plays and Sonnets **3 Hours**
A study in depth of eleven plays and the sonnets. The arrangement is basically chronological, and examples of histories, comedies, and tragedies are included. Offered yearly.

310. Shakespeare: Plays and Poems **3 Hours**
A study of eleven plays not included in English 309, and of Venus and Adonis and other poems. Offered in 1968-1969 and alternate years.

311. Modern British and American Poetry **3 Hours**
A detailed study of several important British and American poets whose works are representative of poetry in English in this century. Offered in 1968-1969 and alternate years.

312. Modern British and American Fiction **3 Hours**
A close reading of the major novelists and short fiction writers of England and America, with particular attention to the developments in the form of fiction in this century. Offered in 1968-1969 and alternate years.

313. The English Bible as Literature **3 Hours**
A study of the Bible as a collection of literary masterpieces of many types and forms. (May, with permission of the chairman of the Department of Religion, be used in lieu of Religion 101). Offered in 1968-1969 and alternate years.

316. Prose and Poetry of the English Renaissance **3 Hours**
A study of prose and non-dramatic poetry of the late 15th to mid-17th century, exclusive of Milton. Special attention is given to Spenser, Sidney, Bacon, Browne, and Burton, and to the schools of Jonson and Donne. Offered in 1969-1970 and alternate years.

317. The Age of Dryden and Pope **3 Hours**
A study of the representative literature of 1660 to 1744, exclusive of the novel. Offered in 1969-1970 and alternate years.

318. The Age of Johnson **3 Hours**
A study of the representative literature of 1744 to 1798, exclusive of the novel. Offered in 1968-1969 and alternate years.

321. Pre-Renaissance Classics in Translation **3 Hours**
A critical and historical study of representative Greek and Roman epic and lyric poetry and of drama, and of the medieval synthesis exemplified by Dante. Emphasis is both on the intrinsic literary value of the works and on their relevance to the American-British cultural tradition. Offered in 1968-1969 and alternate years.

322. The Modern European Novel **3 Hours**
A critical study of such European novelists as Mann, Kafka, Hesse, Gide, Hosse, Gido, Proust, Malraux, Sartre, Camus, and Silone. Special attention is paid to the intellectual backgrounds and to influences on English and American literature. Offered in 1969-1970 and alternate years.

330. The English Novel in the 18th and 19th Centuries **3 Hours**
A study of the English novel from its beginnings in the 18th century through the 19th century, with particular attention to historical and artistic influences. Offered in 1968-1969 and alternate years.

342. Advanced English Grammar and Composition **3 Hours**
A descriptive study of the structural logic and idiom of the English sentence and of the creation of precise, functional composition. Offered yearly.

401. Chaucer **3 Hours**
A study of the major poems, with chief emphasis upon The Canterbury Tales. Offered in 1969-1970 and alternate years.

402. Milton **3 Hours**
A study of the poetry and of typical prose, with emphasis upon Paradise Lost, Samson Agonistes, and the minor poems. Offered in 1969-1970 and alternate years.

404. English Drama from the Beginning to 1642 **3 Hours**
A study of the development of English drama, exclusive of Shakespeare, from its medieval and classical sources to the closing of the theaters in 1642. Offered in 1969-1970 and alternate years.

405. Studies in Representative American Writers **3 Hours**
Intensive readings in major writers who represent significant trends in the development of American literature. Considerable work in bibliography and research, with presentation of individual papers. Offered in 1968-1969 and alternate years.

406. Literary Criticism **3 Hours**
A study of the background and development of modern literary criticism, with particular emphasis upon its development after Coleridge. The influences of literary theory, the various critical theories of this century, and the problems of practical criticism are the concerns of lectures, class discussions, and papers. Offered in 1968-1969 and alternate years.

407. Independent Study **3 Hours**

Prerequisities: Senior standing and permission of the chairman of the department. Either semester of senior year. The writing of a thesis and an oral examination at the end of the semester are the core of the course. The chairman of the department appoints a committee of not fewer than three faculty members to guide each student and to conduct the oral examination. Regular class sessions are not required, but the faculty members arrange seminar discussions when circumstances warrant such meetings. A copy of the thesis is filed in the college library. Offered each semester.

GENERAL EDUCATION

121. Assembly **1 Hour**

Assembly includes regular chapel programs, Religion in Life series, Willson Lectures, student senate programs, and all-college convocations. Juniors, sophomores, and freshmen are required to attend two-thirds of these assemblies. All students, including seniors, are required to attend the all-college convocations. This does not count toward a major, minimum load or tuition cost, and should not be considered transferable to other schools.

Credit, but no grade, will be given if not less than two-thirds of the required assemblies are attended. If less than the minimum number are attended, no matter what considerations have caused the absences, a grade of "F" will be recorded and an additional hour of credit will have to be earned in a subject approved by the dean.

Lyceums are part of General Education 121, but they do not have an attendance requirement. Attendance on the part of students is entirely voluntary. However, credit toward the two-thirds requirement for other assemblies may be earned through attendance at Lyceums. Each semester.

197, 198. Fine Arts Survey **6 Hours**

A course designed to stimulate the esthetic interest of students in art, music, and the theatre; to encourage their intelligent enjoyment and to suggest criteria for appreciation of these fine arts. Yearly.

Interdivisional Seminar

402. Great Issues **3 Hours**

Enrollment is limited to senior candidates for degrees. An interdivisional course designed to acquaint the student with some of the important issues which concern the college graduate of today. The course is required for graduation and must be taken at Centenary College. Each semester.

FOREIGN LANGUAGES

Professor Beck, *Chairman*
Assistant Professors: Curbelo, Flores, Watts
Instructors: Bissell, Curlin, Knox, DeVille
Lecturer: Laurence

Major Requirements

For a B.A. in French or in Spanish, a major in foreign languages must take 24 semester hours beyond 202; or 29 semester hours, or the equivalent, and 14 semester hours in a second foreign language. For the B.A. degree in any combination of French, German, Latin or Spanish, a student must take 26 semester hours in one of these and 20 in another, or the equivalent.

A sequence of 201-202 in a foreign language is required of all students except candidates for the Bachelor of Music degree and for Bachelor of Science degrees in business, education, engineering sciences, and physical education.

Study of one or more foreign languages will introduce the student to the accumulated culture and experience of the human race, show him

the continuation of the present from the past, and provide him with some understanding of the world in which he lives.

If the student plans to be a translator, he needs to acquire a thorough reading knowledge of the language of his choice. If he plans to enter the diplomatic service or be an interpreter, he will need also to master the spoken language. If he plans to prepare to do clerical work involving foreign correspondence as a commercial attache, a secret service employee, or a foreign trade expert, he will need to acquire skill in both speaking and writing the language of the countries in which he is interested.

French

(101-102). Elementary French **3-2-8 Hours**
Oral practice and pronunciation, elementary composition, reading and grammar.

201-202. Intermediate French **6 Hours**
Prerequisite: French 101-102. Conversation, more difficult reading, composition and grammar.

203-204. Advanced Grammar and Intermediate Conversation **3-2-8 Hours**
Prerequisite: French 101-102. Strongly urged for all French majors and those planning to teach in secondary schools. Not to be substituted in any case for 201-202. Laboratory work and instruction via the oral method. More complex grammatical constructions, idiom drills, compositions and phonetics.

301-302. A Survey in French Literature **6 Hours**
Prerequisite: French 201-202. Required for French majors. Studies in texts from the Chansons de Gestes down to the present day.

303. Modern and Contemporary Drama **3 Hours**
Prerequisite: French 201-202. Lecture, outside reading, and study in class from such dramatists as Curel, Rostand, Porto Riche, Bernstein, Lavedan, Bataille, Pagnol, Giraudoux, Sartre, Salacrou, and Anouilh. 1968-1969 and alternate years.

304. Contemporary Novel and Short Story **3 Hours**
Prerequisite: French 201-202. Lecture, outside reading, and study in class of such writers as Gide, Proust, Colette, Mauriac, Romains, Duhamel, Morand, Lacretelle, Ayme, Troyat, Camus and Boulle. 1968-1969 and alternate years.

401. Moliere, Corneille, and Racine **3 Hours**
Prerequisite: French 301-302. Lectures in French, collateral reading, study of their most distinctive plays. 1968-1969 and alternate years.

402. Voltaire and Rousseau **3 Hours**
Prerequisite: French 301-302. Lectures in French, collateral reading, study in class of several of their most representative works. 1968-1969 and alternate years.

404. The Modern Novel **3 Hours**
Prerequisite: French 301-302. Lectures in French, study in class of representative works of Stendhal, Balzac, Flaubert, Zola and France. 1969-1970 and alternate years.

407. Romantic Novel **3 Hours**
Prerequisite: French 301-302. Lectures in French, outside reading, and study in class of such writers as Lafayette, Marivaux, Le Sage, Prevost, Saint-Pierre, de Stael, Constant, and Hugo. 1969-1970 and alternate years.

German

(101-102). Elementary German **3-2-8 Hours**
An audio-lingual approach to basic German speech patterns. Conversation, functional grammar and reading, supplemented by drill in the language laboratory.

201-202. Intermediate German **6 Hours**
Prerequisite: German 101-102 or equivalent. Continuation of oral-aural practice, integrated with a systematic review of grammar; vocabulary building, and composition. Extensive reading in modern German prose, including some selections representative of modern scientific and technical prose.

301-302. Advanced German **6 Hours**
Prerequisite: German 201-202 or equivalent. Advanced readings reflecting various aspects of literary and cultural life in Germany as a basis for written and oral practice designed to increase the student's command of contemporary German.

401-402. Survey of German Literature **6 Hours**
Prerequisite: German 301-302 or equivalent. Dieser Kurs veranschaulicht die Entwicklung der deutschen Literatur von ihren Anfangen bis zur Gegenwart. Besondere Betonung liegt bei der Auswahl des Lesestoffes auf den weniger umfangreichen Werken, die in ihrer literaraischen Gestalt typische Vertreter der betreffenden Eposche sind.

Latin

(101-102). Elementary Latin **3-2-8 Hours**
An introduction to the fundamentals of Latin grammar and the reading of Latin authors.

201-202. Intermediate Latin **6 Hours**
Designed for freshmen entering with two units of Latin, or those who have had Latin 101-102. Reading from several Latin writers. Systematic review of principles of syntax.

301-302. Advanced Latin **6 Hours**
Prerequisite: Latin 201-202 or three years of high school Latin. Selections from the essays of Cicero, The Aeneid of Virgil, and the Metamorphoses of Ovid.

407-408. Directed Study **6 Hours**
Prerequisite: Permission of instructor. The drama, poetry, and philosophy of the Latin writers, with special attention to Plautus and Terence, Livy and Sallust, and Lucretius.

Spanish

(101-102). Elementary Spanish **3-2-8 Hours**
Grammar, reading, composition and oral practice.

201-202. Intermediate Spanish **6 Hours**
Prerequisite: Spanish 101-102 or two units from high school. Advanced grammar, composition, conversation, and reading of short stories.

203-204. Advanced Grammar and Intermediate Conversational Spanish **3-2-8 Hours**
Prerequisite: Spanish 101-102. Strongly urged for all Spanish majors and those planning to teach in secondary schools. Not to be substituted in any case for 201-202. Laboratory work and instruction via the oral method. More complex grammatical constructions, idiom drill, composition and intonation patterns.

205. Spanish-American Culture and Civilization **3 Hours**
1969-1970 and alternate years. A survey of the native Hispanic contributions to the life and literature of the American republics.

301-302. A Survey Course in Spanish Literature **6 Hours**
Reading from all periods of Spanish literature.

401. The Drama of the "Siglo De Oro" **3 Hours**
1969-1970 and alternate years. Prerequisite: Spanish 301-302. A study of the best plays of Lope de Vega, Calderon, and other great dramatists of the seventeenth century.

402. The Modern Drama **3 Hours**
1968-1969 and alternate years. Prerequisite: Spanish 301-302. The best plays of Jacinto Benavente and other leading dramatists of the nineteenth and twentieth centuries.

421. The Early Novel **3 Hours**
First semester 1969-1970 and alternate years. Prerequisite: Spanish 301-302. The Spanish novel of the sixteenth and seventeenth centuries with particular attention to Cervantes and Don Quixote.

422. The Modern Novel **3 Hours**
Second semester 1968-1969 and alternate years. Prerequisite: Spanish 301-302. The Spanish novel since the seventeenth century.

GEOGRAPHY AND GEOLOGY

Professor Hickcox, *Chairman*

Associate Professor: Shaw

Lecturers: Wiley, Kemp

The Geology Department provides training which will fit the student for employment in the geological departments of oil companies, or for graduate studies. A candidate for the B.S. in geology will take 35 hours in geology, including the following required courses: Geology 101, 102, 111, 112, 151, 201, 202, 203, 204, and 252; Chemistry 101, 102, 111, 112; Mathematics 101 through 106; Physics 101, 102; six semester hours chosen in consultation with the chairman of the Geology Department from Engineering Science 101, 102, 252, and 253; and Philosophy 201. Field camps are encouraged.

Geography

205. Human Geography **3 Hours**

The earth's surface from the standpoint of its physical and cultural regions. Emphasis on the distribution of people and on man's changing relations with his habitat.

Geology

101-102. General Geology **3-0-6 Hours**

Prerequisite to all other courses in the department. Introductory lecture course covering physical geology the first semester and historical geology the second semester. Yearly.

111-112. General Geology Laboratory **0-6-2 Hours**

A study of common rocks and minerals plus topographic maps the first semester, fossils and geologic maps the second semester. Yearly.

151. Regional Geology **3-0-3 Hours**
A brief outline of the geology of the United States by the application of basic geologic principles and with an introduction to its geomorphology. First semester 1969-1970 and alternate years.

201, 202. Paleontology **2-3-6 Hours**
An introduction to the study of structure, mode of life, distribution, and development of the living forms of past ages. Yearly.

203. Structural Geology **2-3-3 Hours**
A study of the mechanics of folding, faulting, and other structural features, their geologic effects, and the solution of structural problems. Second semester 1968-1969 and alternate years.

204. Mineralogy **2-3-3 Hours**
A description of the common minerals of the earth's crust, with identification by physio-chemical means. First semester 1969-1970.

233. Problems in Structural Geology **1-2-2 Hours**
Prerequisite: Geology 203. The application and solution of graphic problems in structural geology as related to studies in petroleum geology. 1969-1970.

251. Economic Geology **3-0-3 Hours**
The genesis of ores, the structure and stratigraphy of mineral-producing ores, and the economic aspect of mineral deposits. 1968-1969 and alternate years.

252. Elementary Petrology **2-3-3 Hours**
The description and identification of the common rocks in the crust of the earth, and a study of the theories of origin for the different types of rocks. 1968-1969 and alternate years.

301. Geology of Petroleum **3-0-3 Hours**
A course devoted to the study of the origin, migration, and accumulation of petroleum and of the oil and gas fields of the U.S. in general. 1968-1969 and alternate years.

302. Geology of The Ark-La-Tex Oil and Gas Fields **3-0-3 Hours**
A detailed study of the various oil and gas fields of the Ark-La-Tex. 1968-1969 and alternate years.

303. Well Logging **3-0-3 Hours**
A study of the various methods of well-logging and their application to the general field of geology. 1969-1970.

401. Sedimentation **3-0-3 Hours**
A discussion and study of the origin and environments of sediments and their lithification. Yearly.

402. Principles of Stratigraphy **3-0-3 Hours**
The principles underlying the study of the stratigraphic units of the earth's crust throughout geologic time. Yearly.

405. Introduction to Geophysical Prospecting **3-0-3 Hours**

Prerequisite: Mathematics 101, 105, or equivalent; Physics 101-102. An introduction to the various methods of geophysical prospecting for petroleum products. Includes the study of magnetic, gravitational, seismic, electrical, and other methods.

421-422. Introduction to Micropaleontology **1-6-6 Hours**

A study and identification of some of the important microfossils of the geologic column and methods of applying these data. 1968-1969 and alternate years.

440. Geology Seminar **1-0-1 Hours**

Discussion groups on general phases of the whole field of geology and upon the history of science as a whole and geology in particular.

HEALTH AND PHYSICAL EDUCATION

Assistant Professor Sigler, *Acting Chairman*

Acting Assistant Professor: Joe Swank

Instructors: Boddie, Edwards, McKinney, LeBlanc, Wallace

Lecturer: Turner

The Department of Health and Physical Education offers a program of activity and sports for all able-bodied students which includes conditioning exercises, individual and team sports, gymnastics, apparatus work, rhythmic activities, and swimming; a special program for handicapped students which is adapted to their particular needs; an intramural program which is intended to promote competitive experience in sports; and professional preparation of students for careers as teachers of health and physical education, as athletic coaches, and as workers in church, community and industrial recreation.

Candidates for all degrees at Centenary must satisfactorily complete four semester hours of health and physical education, these hours ordinarily to be taken from the courses numbered 101 through 216. These courses are pre-requisite for all others in the department.

Major Requirements

Male candidates for the B.S. degree must meet all teacher certification requirements, all core requirements, and must also complete 38 semester hours of health and physical education courses, including 221, 222, 223, 225, 227, 321, 324, 330, 332 or 334, 333 or 335, 338 or 340, 342, 423, 424, 428 or 430. They must also complete 12 hours of Biology 101-102, 111-112, and 217.

Women candidates for the B.S. degree must satisfactorily complete all core requirements; they must meet certification requirements; and they must complete 38 hours in the department, including 221, 222, 223, 225, 321, 324, 330, 332, 334, 341, 342, 423, 424, 428 or 430. In addition, they must complete Biology 101-102, 111-112, and 217.

101, 102. Freshman Activity for Men **2 Hours**

115, 116. Freshman Activity for Women **2 Hours**

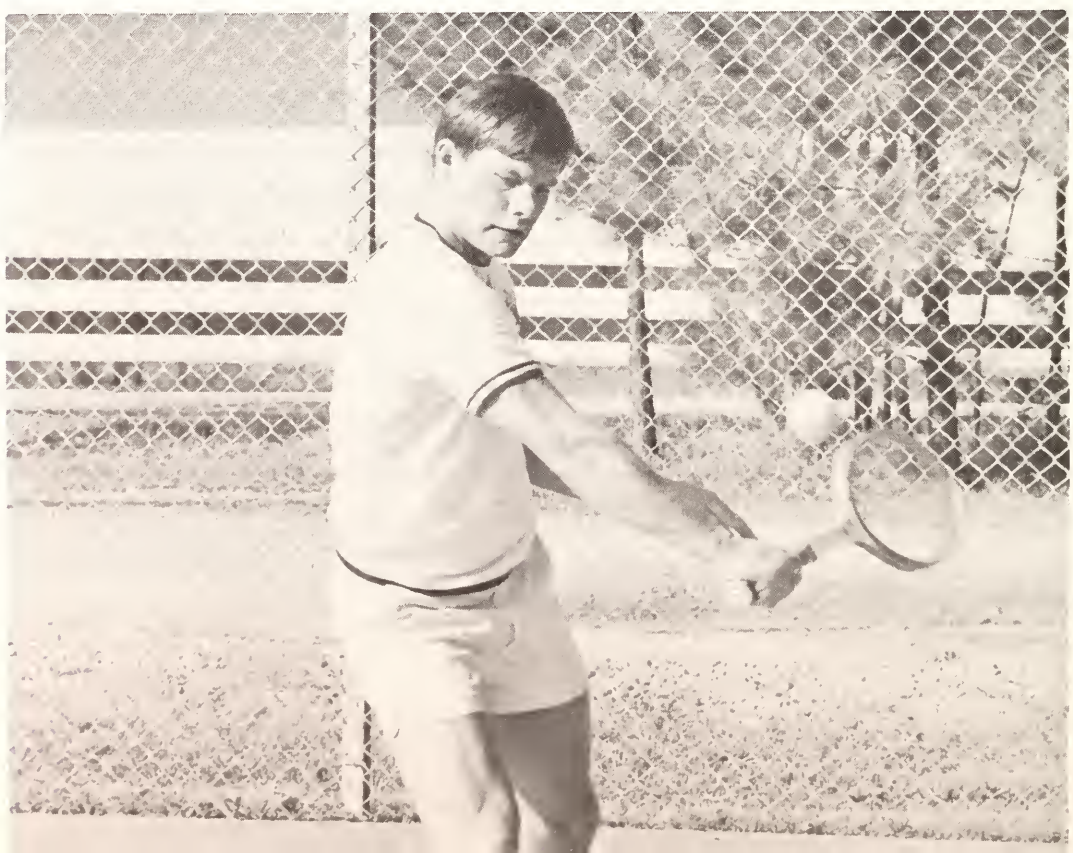
201, 202. Sophomore Coeducational Activity **2 Hours**
Archery and riflery, beginning tennis and badminton, bowling, fencing, folk and square dance, golf, lifesaving, modern dance, swimming.

215, 216. Same as above **2 Hours**

221. First Aid **2 Hours**
Designed to develop competence in rendering immediate and temporary aid to a victim of an accident or sudden illness. Theoretical and practical approach. Covers both standard, advanced and instructor courses of the American National Red Cross with certificates granted for satisfactory work. Meets three hours each week. Yearly.

222. Techniques of Gymnastics **2 Hours**
Instruction in the technique of teaching basic skills in men's and women's gymnastics. Yearly.

223. History and Principles of Physical Education **3 Hours**
Prerequisite: Sophomore standing. An introduction course designed to acquaint students with the biological, psychological and sociological foundations of physical education, and to provide them with historical reference sufficient for intelligent interpretation and evaluation of current practices in the field. Yearly.



225. Intramural Sports Techniques **3 Hours**
A study of the methods commonly used in organizing and administering a program of intramural sports in public schools. Emphasis is given to classification for competition, rules and regulations, league play, statistics, arrangements, and officiating. Yearly.

227. Techniques of Athletic Conditioning and Training **3 Hours**
Prerequisite: Sophomore standing. A study of the relationship between physical condition and successful participation in sports activities. Emphasis is given to the selection and administration of exercises, with due regard for the safety and welfare of those concerned, and to the prevention, recognition, care and treatment of athletic injuries. Yearly.

239. Materials and Methods of Physical Education for the Elementary Grades **3 Hours**
Basic materials in games, stunts, self-testing activities, calisthenics and rhythms. Emphasis is placed upon procedures for presentation of activities in the elementary school. Each semester.

321. Personal and Community Health **3 Hours**
A study of factors influencing and determining perosnal health, and an introduction to methods used in preventing disease in individuals and in communities. Yearly.

324. Kinesiology **3 Hours**
Prerequisite: Biology 217. A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological action of joints and muscles. Yearly.

330. Tests and Measurements **3 Hours**
A study of tests designed to measure health, physical fitness, strength, motor ability, game skills, and use of the results of the tests. Yearly.

332. Swimming Techniques **2 Hours**
A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior life saving and water safety instructor certificates by the American National Red Cross may be obtained. Yearly.

333. Techniques of Coaching Basketball **2 Hours**
A study of the basic offensive and defensive patterns, their strengths and weaknesses. Program organization and administration are included. Alternate years.

334. Folk and Square Dance Techniques **2 Hours**
Theory and practice of folk and square dance. A bibliography of materials and music given. Instruction in teaching and calling dances. Yearly.

335. Techniques of Coaching Football **2 Hours**
A study of the basic offensive and defensive formations, their strengths and weaknesses. Program organization is included as well as instruction in fundamentals. Alternate years.

338. Techniques of Coaching Baseball **2 Hours**
A study of the fundamentals of baseball. Strategies of all phases of the game are included. Alternate years.

340. Techniques of Coaching Track and Field **2 Hours**
A study of the fundamentals of track and field events, plus practical experience in meet administration. Alternate years.

341. Theory and Practice of Team Sports for Women **3 Hours**
Analysis of techniques, progression in presentation, practice, lead-up activities, and knowledge of official rules. Yearly.

342. Theory and Practice of Individual Sports **3 Hours**
A theoretical and practical study of skills adapted for use in secondary schools. Yearly.

423. Administration of Health and Physical Education **3 Hours**
A study of principles underlying the organization and administration of programs of health and physical education in modern schools. Yearly.

424. School Health **3 Hours**
A study of health problems of school children; detection and correction of defects; prevention and control of communicable diseases. Environmental health factors are considered. Yearly.

428. Methods in Teaching Physical Education **3 Hours**
Prerequisite: Junior standing. A course designed for prospective high school teachers of health and physical education. 1968-1969 and alternate years.

430. Physiology of Exercise **3 Hours**
Prerequisite: Biology 217. A study of the reactions of the body functions to exercise. The understanding of the human organism during muscular activity in terms of communication, energy production and transportation. 1969-1970 and alternate years.

HISTORY AND GOVERNMENT

Professor Vogel, *Chairman*
Professors: Asseff, Davidson, Lowrey, Overdyke, Strauss
Assistant Professors: Hancock, Rainey
Lecturer: Goodwin

The courses offered by the Department of History and Government are designed to make an essential contribution to a liberal arts education by providing the general student with a comprehensive and integrated knowledge of man's history; to provide the training necessary for more advanced study in history and political science; and to provide the practical knowledge of historical and political developments, which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, and business.

Major Requirements

History

A candidate for the B.A. in history must complete 24 semester hours in history, plus History 441, six hours in economics, six hours in government, and six hours in a related subject approved by the major advisor. Not less than 30 hours of work numbered 300 or above must be presented for graduation, of which not less than 12 must be in history. Students majoring in history are expected to offer either French or German in fulfillment of the foreign language requirement unless otherwise specified by the major adviser.

101-102. Survey of European History **6 Hours**
A rapid survey for freshman students who wish to familiarize themselves with the background of present-day Europe.

201-202. History of England and Great Britain **6 Hours**
A general survey of the history of England and the British Empire to the present time.

205-206. History of the United States **6 Hours**
A comprehensive survey of the major developments in American History from the colonial period to the present.

207. History of Louisiana **3 Hours**
A rapid survey of French and Spanish colonization; development of the state politically, socially, and economically to the present time.

301-302. History of the Christian Church **6 Hours**
Same as Religion 301-302.

303-304. History of Russia **6 Hours**
1969-1970. Offered in recognition of the emergence of Russia as a world power, and is designed to acquaint the student with the essential facts in Russian history. First semester, the birth of the Russian state (860) to the Russian Revolution of 1917; second semester, a detailed study of Russia under Soviet rule from the Revolution of 1917 to the present.

305. Greek History **3 Hours**
1968-1969. A brief study of the Greek people from the earliest age to the Roman Conquest.

306. Roman History **3 Hours**
1968-1969. A study of the political, cultural and social history of Rome.

309-310. History of American Foreign Relations **6 Hours**
Same as Government 309-310.

312. History of the Ante-Bellum South **3 Hours**
Social and economic characteristics of the deep South, with emphasis on the plantation system. Field trips made to adjacent areas.

313-314. Contemporary Europe **6 Hours**
A survey of Europe since 1914, considering two World Wars, events leading to World War II, and problems created by the Atomic Age.

317-318. Renaissance and Reformation **6 Hours**
A study of the important social, political, economic, and cultural developments in European civilization during the fourteenth and fifteenth centuries. The Reformation section covers the sixteenth century and the first half of the seventeenth century. (Same as Religion 317-318.)

321-322. American Intellectual History **6 Hours**
The evolution of American intellectual and cultural life from colonial times to the present, as expressed in political and economic thought, theology, philosophy, and literature, with reference to the interaction between ideas and social structures.

341-342. History of Latin America **6 Hours**
First semester, the development of Spanish and Portuguese America to the wars of independence; second semester, the development of the independent states in the 19th and 20th centuries.

441. Seminar in History **2 Hours**
Prerequisite: History major and approval of instructor. A study of various schools of historical scholarship and an introduction to the elements of research.

Government

A candidate for the B.A. in government must complete 24 semester hours in government plus History 441 and six other hours in history, six hours in economics, and six hours in a related subject approved by the major adviser. Not less than 30 hours of work numbered 300 or above must be presented for graduation, of which not less than 12 must be in government. Students majoring in government are expected to offer either French or German in fulfillment of the foreign language requirement unless otherwise specified by the major adviser.

201. American Government **3 Hours**
Constitutional principles, agencies of the federal government and their relationships to the states, and individual civil rights, citizenship, political possessions.

205. Political Theory **3 Hours**
1969-1970. An introductory study of the writings of a select group of political thinkers from Plato to the present.

207. International Relations **3 Hours**
A survey of current world problems, with emphasis upon world organizations, power politics, international law, geopolitics, and peace organizations.

210. State and Municipal Government **3 Hours**
A survey of problems, functions, and weaknesses in state and municipal governments with emphasis upon political machines, types of municipal government, local planning, and study of government in Louisiana.

303. Constitutional History of the United States **3 Hours**
Prerequisite: Junior standing. A study of the development of Constitutional principles and practices in American History.

304. Leading Cases in Constitutional History **3 Hours**
Prerequisite: Junior standing. Study and analysis of the most important decisions of the United States Supreme Court.

305. The Government of Europe **3 Hours**
1968-1969. Prerequisite: Junior standing. Comparative study of cabinet systems of government with emphasis on the development of England, and the theories and functioning of political communism, fascism and nazism in Europe, including post-war developments.

306. Comparative Foreign Policies **3 Hours**
1969-1970. An introductory study of the traditional aims, conduct, and formation of foreign policies of the major powers.

307. The European Community **3 Hours**
1969-1970. A study of Western Europe's efforts to achieve cooperation and coexistence, with emphasis on the common market and related regional organizations.

309-310. History of American Foreign Relations **6 Hours**
(May be counted as history credit.) A diplomatic history of the American people, with emphasis on the influence of public opinion in determining foreign policy.

311. Political Parties **3 Hours**
A survey of the history, functions, and weaknesses of the political party system in the United States.

313. Urban and Rural Government **3 Hours**
A survey of the organization, structure, functions, and problems of local governments in the United States and their role in the constitutional system with an analysis of their prospects for the future.

324. International Law **3 Hours**
A study of the development and foundations of international law; the laws of war, peace, and neutrality; and a study of the laws of treaties with emphasis on law enforcement, state responsibilities, diplomatic immunities, and war crimes.

421. Comparative Economic Systems **3 Hours**
Same as Economics 421.

MATHEMATICS

Professor Carlton, *Chairman*
Associate Professor: Self
Assistant Professors: Speairs, Danvers, Greene
Instructors: Treese, Williams
Lecturers: Fadous, Humble, Meyers, Whitehurst

The Department of Mathematics aims to contribute to the student's liberal education by showing the role which mathematics has played and is playing in the development of civilization, and by giving him the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering, and also to those in economics and commerce. The mathematics program is planned so that a student majoring in the field may choose any one of a number of directions in which to continue after graduation, including the teaching profession, work in industry, the computer mathematics field, further training toward actuarial work, or the combination of mathematics with other

scientific training, as well as graduate work in pure mathematics.

High school mathematics through trigonometry is the suggested background for an incoming freshman, with Mathematics 101 offered only for those students not able to obtain this background before entering college.

Major Requirements

Students may receive either a B.A. or B.S. degree with a major in mathematics. For either degree, a minimum of 27 hours of mathematics, in courses numbered 201 or higher, is required. Nine of the 27 hours must be in courses numbered 401 or higher. At least 30 semester hours of courses numbered 300 or higher are required. At least 12 of these 30 hours must be taken outside the Department of Mathematics.

100. Mathematics For Teachers I **3 Hours**
(Open for credit to elementary education majors only. Does not satisfy core requirements in mathematics.) Logic, sets, the set of counting numbers. Numeration systems. The rational numbers, decimals. The real number system. Each semester.

101. Algebra and Plane Trigonometry **3 Hours**
Introduction to set theory. Logical development of the real number system. The notions of variable and function (algebraic, trigonometric, exponential, logarithmic) and their geometric representation. Inverse functions. Equations and identities. Each semester.

105. Introduction To Finite Mathematics **3 Hours**
(Open only to non-science majors.) Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications. Each semester.

106. Analytic Geometry and Calculus I **3 Hours**
Coordinate systems, straight lines, functions and graphs. Limits, derivatives of algebraic functions, applications of the derivative. Each semester.

115. Mathematics For Teachers II **3 Hours**
Prerequisite: Mathematics 100 or consent of instructor. (Open for credit to elementary education majors only.) Topics from number theory, geometry, algebra, and the history of mathematics. Second semester yearly.

201. Analytic Geometry and Calculus II **3 Hours**
Prerequisite: Mathematics 106. The definite and indefinite integral. Derivatives and integrals of exponential, logarithmic, hyperbolic, trigonometric, and inverse trigonometric functions. Techniques in integration, integration by parts. Each semester.

202. Analytic Geometry and Calculus III **3 Hours**
Prerequisite: Mathematics 201. Further applications of the calculus. Basic properties of continuous and differentiable functions. Infinite series. Plane curves and polar coordinates. Each semester.

203. Linear Algebra **3 Hours**
Prerequisite: Mathematics 106. Systems of linear equations, vector spaces, linear dependence, bases, dimension, linear mappings, matrices, determinants, applications. Yearly.

303. Analytic Geometry and Calculus IV **3 Hours**
Prerequisite: Mathematics 202. Three-dimensional analytic geometry. Introduction to vector analysis. Differential calculus of several variables. Multiple integration. Line and surface integrals. Each semester.

304. Foundations of Geometry **3 Hours**
Prerequisite: Consent of instructor. Advanced Euclidean geometry, with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry, and n-dimensional geometry. Yearly.

305. Mathematical Statistics **3 Hours**
Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit. Yearly.

306. Modern Algebra I **3 Hours**
Prerequisite: Mathematics 201. Basic properties of groups, rings, fields and morphisms. Yearly.

307. Differential Equations **3 Hours**
Prerequisite: Mathematics 303. Common types of ordinary differential equations, especially of the first and second order. Problems which lead to differential equations and the standard methods of their solutions. First semester yearly.

309-310. Seminar For Secondary Teachers of Mathematics **1-3 Hours**
Topics from Euclidean geometry, non-Euclidean geometry, analytic geometry. Topics in algebra, sets, matrices. Yearly.

403. Topology **3 Hours**
Prerequisite: Mathematics 303. A survey of fundamental properties of topological spaces with particular emphasis on the real number system. Connectedness, compactness, continuous mapping, homemorphism, metric spaces. First semester 1969-1970 and alternate years.

404. Vector Analysis **3 Hours**
Prerequisite: Mathematics 303. A basic course in vectors. Topics include vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature. Second semester yearly.

405. Numerical Analysis **3 Hours**

Prerequisite: Mathematics 203, 307. Numerical differentiation and integration. Solutions of numerical equations. Numerical solutions of ordinary and partial differential equations. Various methods of interpolation. First semester yearly.

407. Introductory Real Variable Theory I **3 Hours**

Prerequisite: Mathematics 303. Real and complex systems, sets, metric spaces, continuity and differentiation. First semester 1968-1969 and alternate years.

408. Introductory Real Variable Theory II **3 Hours**

Prerequisite: Mathematics 407. Riemann-Stieltjes integral, sequences and series of numbers and functions. Second semester 1969 and alternate years.

410. Independent Study in Mathematics **1-3 Hours**

Open to advanced students in mathematics with the consent of the instructor. One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

PHILOSOPHY

Associate Professor Cox, *Chairman*

Professor: Davidson

The courses in philosophy are designed to acquaint the student with systems of thought about life and reality, and to help him understand the function of intelligence in life. To this end the department provides: a major in preparation for professional or graduate work; courses in problem areas contributing to other academic disciplines and the general liberal arts program of the college. General course prerequisites: 200 courses for sophomores or above; 300 courses for juniors or above; permission of instructor where required. Exceptions may be made by instructor for exceptional students. Philosophy 201 is not considered a necessary prerequisite for other courses.

Major Requirements

A philosophy major is required to take 24 semester hours in philosophy, including 202, 203, 301 and 302; at least one three-hour directed study (401-402). The approval of the course of study by a departmental adviser is also necessary.

201. Introductory Problems in Philosophy **3 Hours**
An introduction to philosophical method through problems selected from such areas as theory of knowledge and reality, art, ethics, religion, and science. Yearly.

202. Ethics **3 Hours**
An introduction to the basic concepts and problems of ethics. Ancient and modern theories considered. Yearly.

203. Logic **3 Hours**
An introduction to the fundamental principles in deductive and inductive reasoning, and in symbolic logic. Yearly.

205. Esthetics **3 Hours**
A philosophical study of the creative impulse, the art object, and the esthetic experience. Yearly.

206. Philosophy of Science **3 Hours**
An investigation of the basic problems and presuppositions of scientific method and concept formation. Attention given to differences involved in the physical, biological, and behavioral sciences. Yearly.

301. History of Ancient And Medieval Philosophy **3 Hours**
An examination of the major philosophical systems from the early Greeks to the 17th century. Yearly.

302. History of Modern Philosophy **3 Hours**
An examination of the major philosophical systems from the 17th century to the present. Yearly.

303. Philosophy of Religion **3 Hours**
A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly.

304. Contemporary Philosophy **3 Hours**
An examination of the major figures and types of 20th century philosophy. Yearly.

306. Metaphysics **3 Hours**
A study of the basic categories of experience and ultimate reality. Prerequisite: Permisison of instructor. Alternate years.

307. Philosophy of Eastern Religions **3 Hours**
An historical study of the fundamental philosophical concepts of near and far eastern religions and ethical systems. Alternate years. (Same as Religion 307.)

401, 402. Directed Study In Philosophy **2-6 Hours**
Prerequisite: Permission of instructor. Yearly.

EDUCATION AND PSYCHOLOGY

Associate Professor Forrest, *Chairman*
Professor: Gwin
Assistant Professors: Hallquist, Stringfellow
Instructor: Casavant
Lecturers: Garner, Green, Gucker, Layton, Lockridge, Lucar, Middleton, Posey, Riser, Rosenzweig, Stockard

Education

The Department of Education and Psychology has responsibility for the teacher-education curriculum of the college, and it provides elective courses for those interested. Its goal is to produce teachers who are professionally prepared, rich in the liberal arts, knowledgeable in the issues of democracy, and strong morally.

All students entering the teacher-education program after June 1, 1968, will later enroll in the tutorial and clinical program and not in formal courses in professional teacher education. In this program the student works with a tutorial professor in an individualized schedule of readings, seminars, lectures, and independent study in the theory of education. Practice is gained by the students in concurrent clinical experiences in a variety of local schools and agencies. The students are taken through a carefully planned sequence of observing, aiding and substituting for master teachers. These master teachers are employed by the local schools and they hold appointments as lecturers in education at Centenary College. Students are supervised by both tutorial professors and the master teachers throughout the three years of the program.

The teacher-education program of the department meets the requirements of Louisiana law. Candidates for teaching certificates in the state fulfill the requirements for elementary or high school certificates. The student teaching required for certification is done in schools in the area. The department provides a teacher placement bureau for all who are registered in the program.

College graduates who wish to do work to become certified teachers, or any other teacher education students not already admitted to the college who wish to have their credentials evaluated must pay a fee of $15.00 for this service. Payment of this fee also entitles the student to be listed with the Centenary Teacher Placement Bureau.

Major Requirements

Students may qualify for the B.A. or the B.S. degree by satisfying the appropriate core curriculum requirements and completing a curriculum in teacher education.

The following are requirements for graduation in teacher education: Secondary education—completion of Education 211-212, 341-342, 431-432, Psychology 211; completion of core curriculum plus four more hours of natural science; completion of departmental (or divisional) major requirements in either art, biology, chemistry, English, French, German, health and physical education, Latin, mathematics, music, physics, Spanish, speech education, natural science, social science; and all other regular degree requirements. Elementary education—completion of Education 211-212, 331-332, 431-432, Psychology 211; completion of core curriculum plus four more hours of natural science, and all other regular degree requirements. In addition to courses meeting core requirements, elementary education majors must take English 205, Art 307, Mathematics 100 or 115, Speech 101, Geography 205, History 207, Physical Education 239 and 321 or 424, and Music 121.

Administrative Requirements

All students planning to certify as teachers must by the end of the sophomore year petition the selective admissions committee of the Teacher Education Advisory Council for acceptance into the Department of Education. They must meet certain requirements of grade average, oral and written communication, health, and appearance as determined by the admissions committee. An "area of concentration" in academic subjects is encouraged in elementary education.

211-212. Sophomore Tutorials in Education **6 Hours**

An investigation of the history of education and the social and philosophical foundations of education. The role and relevance of psychology to the learning process. Participation in a series of observations in a variety of school and community agency learning situations. An individualized schedule of readings and seminars. Yearly.

311-312. Elementary School Curriculum **6 Hours**

Prerequisite: Education 102, 200, Psychology 211, and acceptance by admissions committee. Must be taken in proper sequence. A study of materials, methods, and problems relative to the development of the elementary school child. Classroom observation is included. (Offered in Evening Division only after September, 1969). Each semester.

321. Methods of Teaching in the Secondary School **3 Hours**
Prerequisite: Education 102, 200, and acceptance by admissions committee. A study of education on the secondary school level with emphasis on materials and techniques in each field of specialization, including classroom observation. (Offered in Evening Division only after September, 1969.) Each semester.

331-332. Junior Tutorials in Elementary Education **6 Hours**
Prerequisites: Education 211-212, Psychology 211 and acceptance by Teacher Education Advisory Council Admissions Committee. A study of materials, methods and problems of teaching and learning in the elementary schools. Planned participation in elementary school classrooms as a teacher's aide. An individualized schedule of readings and seminars. (To Begin Fall, 1969.) Yearly.

341-342. Junior Tutorials in Secondary Education **4 Hours**
Prerequisites: Education 211, 212, Psychology 211 and accepance by Teacher Education Advisory Council Admissions Committee. A study of materials, methods and problems of teaching and learning in the secondary schools. Planned participation in secondary school classrooms as a teacher's aid. An individualized schedule of readings and seminars. (To Begin Fall, 1969.) Yearly.

400. Student-Teaching In The Grades **6 Hours**
Prerequisite: Education 102, 200, 311-312, Psychology 211. Observation and teaching in grades 1 through 3. Each semester. (Not offered after September, 1970.)

401. Student-Teaching In The Grades **6 Hours**
Prerequisite: Education 102, 200, 311-312, Psychology 211. Observation and teaching in grades 4 through 8. Each semester. (Not offered after September, 1970.)

410. Seminar **1 Hour**
Problems of student-teaching. To be taken concurrently with student-teaching only. Each semester. (Not offered after September, 1970.)

422. Student-Teaching In High School **6 Hours**
Prerequisite: Education 102, 200, 321, Psychology 211. Observation and practice teaching in the field of specialization. Each semester. (Not offered after September, 1970.)

431-432. Senior Tutorials in Education **6 Hours**
Prerequisites: Education 341-342 or 331-332. The development of content units appropriate to the student's teaching field or grade level. Intensive practice teaching, internship and/or substitute teaching under the guidance of master teachers and college faculty. An individualized schedule of readings and seminars. (To Begin Fall, 1970.) Yearly.

Psychology

Major Requirements

Within the framework of natural science, psychologists attempt to understand human behavior by discovering functional relationships between behavior and conditions in the environment and the organism. The psychology major requires 30 semester hours in psychology as approved by the adviser, and 12 semester hours in a related field approved by the major adviser (sociology, biology, economics). Core curriculum requirements must be met separately and all other requirements for a B.A. degree satisfied.

Students who major in psychology must enroll in French or German.

101. General Psychology **3 Hours**
Introduces the study of human behavior in the areas of learning, personality, emotions, motivation, perception, etc. Each semester.

211. Human Growth and Development **3 Hours**
A study of the various aspects of human development from conception to age 21. Individual reading assignments concentrated in the particular age level of interest to the student. Presentations, reports, and demonstrations of typical behavior of selected age groups required of each student. Each semester.

(221-222). Sophomore Tutorials in Psychology **8 Hours**
Prerequisites (or concurrently): Psychology 101, Biology 101, 102, 111, 112. An investigation and use of the methods of the clinical approach. A series of observations of human behavior in a variety of school, community agency, and industrial situations. An individualized schedule of readings and seminars. Yearly.

(321-322). Junior Tutorials in Psychology **8 Hours**
Prerequisites (or concurrently): Economics 305, Psychology 101. A study and use of the methods of the experimental approach. A series of experiments introducing the student to a variety of topics with extended depth study of learning and motivation. An individualized schedule of readings and seminars. Yearly.

(421-422). Senior Tutorials in Psychology **8 Hours**
Prerequisite: Psychology (321-322). An analysis of sensation, perception, and group behavior through a series of experiments. An individualized schedule of readings and seminars. Yearly.

430. Seminar in Current Literature in Psychology **1-3 Hours**
Prerequisite: Psychology 101 and approval of the instructor. A study of current psychological literature. Second semester yearly.

EVENING DIVISION

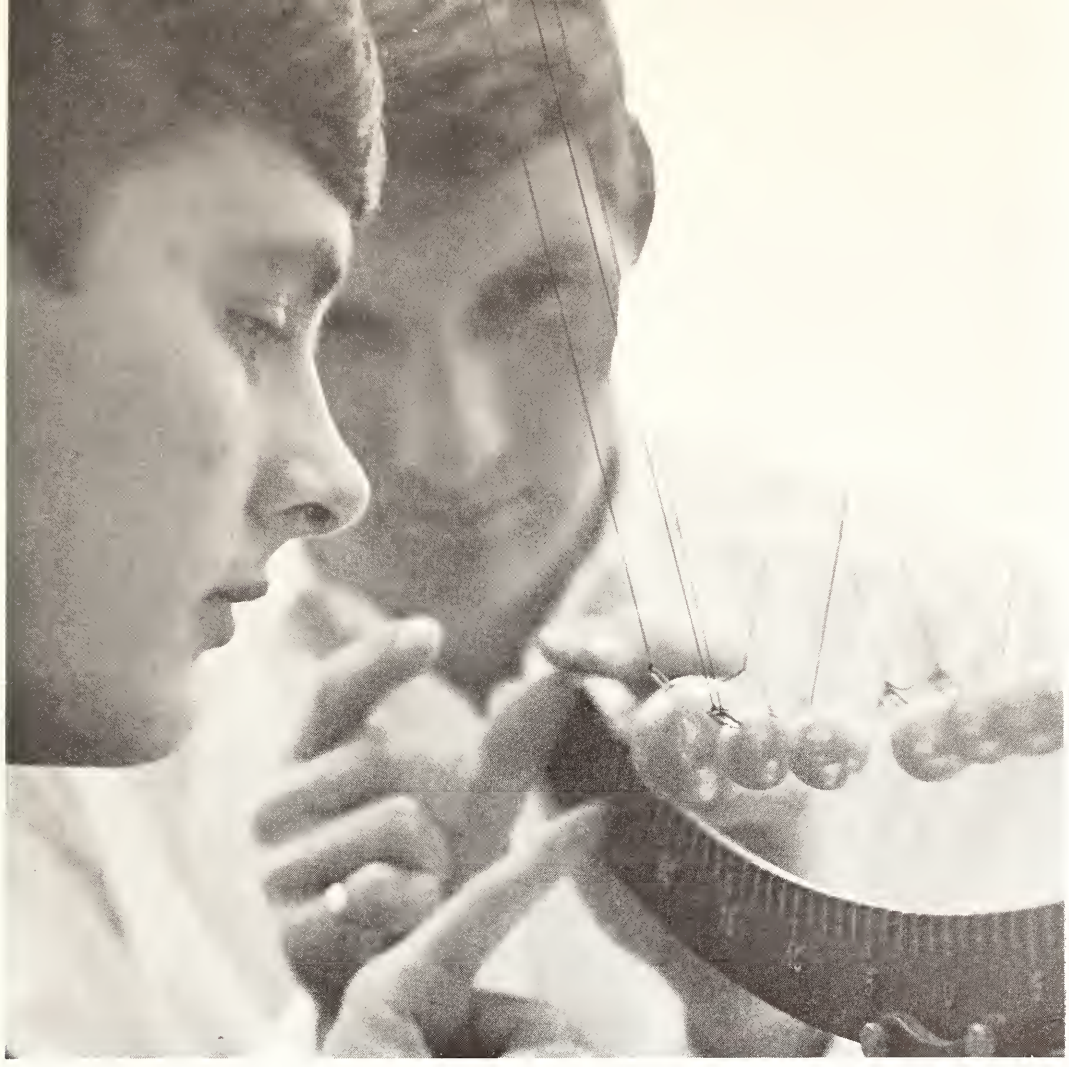
102. Foundations of Education **3 Hours**
A study of minor movements and issues in education. Each semester.

200. Educational Psychology **3 Hours**
A study of the psychological adjustment of the typical student in American schools. Oriented toward the problems of the usual classrooms. Each semester.

300. Audio-Visual Aids In Teaching **3 Hours**
Prerequisite: Education 200 or instructor's aproval. A study of the use of radio, transcription, films, still pictures, slides, charts, globes, etc., as learning aids. Required for certification in many states. Individual laboratory work by arrangement. Each semester.

314. Test and Measurements of Growth in Learning **3 Hours**
Prerequisite: Education 200. A study of measurements including standardized tests and the development of skills in constructing teacher-made tests. Required for certification in many states. Yearly.

411. Teaching Techniques in Reading **3 Hours**
The values, material, and techniques useful in a developmental reading program, with coverage of professional literature in the field of reading.. Each semester.



PHYSICS AND ENGINEERING SCIENCES

Associate Professor Galloway, *Chairman*
Professor: Parker
Instructor: Harris
Lecturer: Baker

Physics

The physics curriculum is made up of introductory courses designed to familiarize the nonscience major with the fundamental concepts of physics; courses designed to give the science major a firm grasp of the principles of classical and modern physics; and advanced courses designed to prepare the physics major with the necessary background in experimental and theoretical physics to meet the demands of graduate study and research.

The prospective freshman who plans to major in physics should take Mathematics 101 in the summer session prior to the fall semester of his freshman year unless his background includes high school mathematics through trigonometry.

Major Requirements

The B.S. degree with a major in physics requires Physics 202, 204, 212, 302, 312, 321, 322, 412 and 422; Engineering Science 102 or 251; Chemistry 102 and 112; and Mathematics 307. Mathematics 404 and 405 are advised. Physics 331 and 332 may be substituted for Physics 421-422 for those students who plan to pursue advanced study in astronomy and astrophysics.

001-002. Physics Problems I-II **0-1-0 Hours**
Prerequisite: Enrollment in any 100 or 200 level physics course. Additional practice in setting up and solving problems within the scope of Physics 101-102. Yearly.

003-004. Physics Problems III-IV **0-1-0 Hours**
Prerequisite: Enrollment in any 200 level physics course. A continuation of Physics 001-002. Problems are within the scope of Physics 203-204. Yearly.

101, 102. Physics I-II **3-0-6 Hours**
Prerequisite: Mathematics 106 or enrollment therein. The fundamental principles and classic experiments of mechanics, thermophysics, light and optics, including conditions of equilibrium, translation and rotation of rigid bodies, work, energy, dynamics of liquids and gases, wave motion and sound, kinetic theory, first and second laws of thermodynamics, geometric and physical optics. Physics 102 may be taken prior to Physics 101. The course text is **Physics** by Halliday and Resnick. Yearly.

111-112. General Astronomy **3-0-6 Hours**
A study of the earth as a body in space, the other planets, the moon and other satellites, comets, meteorites, the solar system and its motion and analysis of light, the sun, the stars, star clusters, gaseous nebulae, the Milky Way, external galaxies, the structure of the universe. The course text is **Principles of Astronomy** by Wyatt. Yearly.

113-114. General Astronomy Laboratory **0-3-2 Hours**
A laboratory course intended for students enrolled in Physics 111-112 who wish to develop experimental skills for collecting and evaluating astronomical data. Planetarium and observatory facilities available in the Shreveport area are used. The course text is Shaw and Boothroyd's **Manual of Astronomy.** Yearly.

121-122. Introductory Physics **3-3-8 Hours**
Prerequisite: Mathematics 101 or its equivalent. The fundamental concepts of statics and dynamics of rigid bodies, liquids, gases, wave motion, sound, light, electricity and magnetism. The fundamental principles are illustrated by the solution of simple problems and illustrative experimental work. This course is not open for credit to any student who is majoring in one of the sciences. The course text is Smith and Cooper's **Elements of Physics.** Yearly.

201-202. Sophomore Physics Laboratory **0-3-2 Hours**

Prerequisite: Physics 101, 102 and either Mathematics 201 or enrollment therein. An introduction to experimental techniques for direct and indirect measurements in the physics laboratory. Experiments illustrate the fundamental principles of mechanics, thermophysics, sound, electricity, magnetism, light, optics and elementary modern physics. Error propagation computations are required with each experiment. The course text is **Physics Laboratory Manual** by Wall and Levine. Yearly.

203-204. Physics III-IV **3-0-6 Hours**

Prerequisite: Physics 101 and Mathematics 201. Fundamental principles and classic experiments of electromagnetism and modern physics including fields, potentials, dielectric materials, D.C. and A.C. circuits, Maxwell's equations, introductory quantum mechanics and relativity. Physics 204 may not be taken prior to Physics 203. The text for Physics 203 is the same text used for Physics 101-102. The text for Physics 204 is **Elementary Modern Physics** by Weidner and Sells. Yearly.

212. Electronics for Scientists **2-6-4 Hours**

Prerequisite: Consent of instructor and Physics 203 or its equivalent. Principles and applications of vacuum tube and solid state electronics with emphasis on the electronic circuitry of research laboratory instrumentation. Electrical measurements, power supplies, amplifier circuits, oscillators, servomechanisms and high speed switching and timing circuits. The course text is Malmstadt, Enke and Toren's **Electronics for Scientists.** Yearly.

301-302. Junior Physics Laboratory **0-3-2 Hours**

Prerequisite: Physics 202 and either Physics 212 or enrollment therein. Advanced experimental techniques in the physics laboratory. Students are instructed in the use of machine shop equipment, electronic techniques and precision instrumentation in planning and executing advanced experiments. Experiments are within the scope of mechanics, thermophysics, electricity, magnetism, lights, optics and modern physics. The course text is **The Taylor Manual of Advanced Undergraduate Experiments in Physics.** Yearly.

311-312. Mechanics **3-0-6 Hours**

Prerequisite: Physics 101 and either Mathematics 307 or enrollment therein. An advanced study of the principles of statics and dynamics of matter. Topics include free and constrained motion of particles, rigid bodies, and systems of particles, formal methods using equations of Lagrange and Hamilton, and vibrating systems. The course text is **Introduction to Theoretical Mechanics** by Becker. Yearly.

321. Heat and Thermodynamics **3-0-3 Hours**

Prerequisite: Physics 102 and either Mathematics 303 or enrollment therein. A study of thermodynamic systems, first, second and third laws of thermodynamics, entropy, enthalpy, Helmholtz and Gibb's functions and elements of statistical mechanics. The course text is Reif's **Statistical and Thermal Physics.** Yearly.

322. Light and Optics **3-0-3 Hours**

Prerequisite: Physics 102 and Mathematics 303. A general treatment of the principles of geometric and physical optics including optical instruments, interference, diffraction, absorption, scattering, dispersion and polarization. The course text is **Fundamentals of Optics,** by Jenkins and White. Yearly.

331. Astrophysics: The Solar System **3-0-3 Hours**

Prerequisites: Mathematics 201 and either Physics 203 or consent of instructor. Principles of solar system physics including general features and motions of the system, celestial mechanics, observational instruments and techniques, solar structure and atmosphere, the interplanetary medium; planetary interiors, surfaces, and atmospheres; structure and orbits of satellites, meteors, and comets; theories of solar system origin and evolution. Offered on demand.

332. Astrophysics: The Stars **3-0-3 Hours**

Prerequisites: Mathematics 201 and either Physics 203 or consent of instructor. Physics of the stars including determination of stellar distances, luminosities, colors, temperatures, radii, and masses; stellar spectra and spectral classification; the H-R diagram; stellar interiors and atmospheres; stellar evolution; variable and unusual stars. Offered on demand.

401-402. Senior Physics Laboratory **0-3-2 Hours**

Prerequisite: Physics 302. A continuation of Physics 302 with emphasis on experiments in the field of modern physics. Experiments include NMR, EPR, microwaves, X-ray diffraction, crystallography, scintillation and solid state nuclear detection, fast pulse spectrometry and use of the digital computer for data reduction. The course text is **Experiments in Modern Physics** by Melissinos. Yearly.

411-412. Electricity and Magnetism **3-0-6 Hours**

Prerequisite: Physics 203 and either Mathematics 307 or enrollment therein. An advanced study of electric and magnetic fields and potentials in free space and in matter, electric and magnetic energies, transient and steady state currents, plasma physics, wave equations and elementary electrodynamics. The course text is Reitz and Milford's **Foundations of Electromagnetic Theory.** Yearly.

421-422. Modern Physics **3-0-6 Hours**

Prerequisite: Physics 204 and Mathematics 307. An in depth treatment of the principles of modern physics illustrating the operation of these principles in the observed behavior of matter. Topics include relativity, quantum mechanics, band theory of solids, atomic and nuclear physics. The course text is **Principles of Modern Physics** by Leighton. Yearly.

431-432. Atomic and Nuclear Physics **3-0-6 Hours**

Prerequisite: Physics 421 or enrollment therein. The principles of atomic and nuclear physics with emphasis on the properties of atoms and nuclei. Topics include atomic structure and spectra, fundamental particles, nuclear structure, atomic and nuclear radiations, conservation laws, scattering and high energy processes. The course text is Semat's **Introduction to Atomic and Nuclear Physics.** On demand.

Engineering Science

General objectives of the engineering science program are to provide technical training for those students interested in general engineering; to provide laboratory and technical experiences for teachers interested in industrial and scientific subjects taught in the public schools; to provide practical knowledge of industrial and economic materials; to contribute to general education through study of skills, materials, and practices of modern industry.

The curriculum aims to give the student the necessary fundamentals in the basic science and cultural fields that are essential in the application of principles and skills in modern industry, and to help students prepare themselves for professional engineering school and graduate school.

The department chairman should be consulted for information concerning the "three-two" program.

Major Requirements

The B.S. in engineering science requires Engineering Science 100, 101, 251, 252, 301, 404; Chemistry 101-102, 111-112; Mathematics 106, 201, 202, 303, 307; Physics 101-102, 201-202, 203-204, 301-302, 311-312, 321. The core curriculum must be completed, except that only one year of foreign language is required.

100. Engineering Orientation **1-1-1 Hours**
Engineering as a profession, its attractions and professional responsibilities, the student's approach to his chosen field of engineering or architecture, the application of the slide rule in solution of engineering problems. Each semester.

101. Engineering Drawing and Graphics **0-6-2 Hours**
Instructions in the proper care and use of drafting instruments, lettering, freehand sketching, orthographic projection, geometrics, dimensioning, section views, auxiliaries, working drawings, isometrics, tracing, and graphic solutions.

102. Engineering Drawing **0-6-2 Hours**
Prerequisite: Engineering Science 101. A continuation of Course 101. Instructions in machine drafting, isometrics, detail and assembly drawings, shop drawings, notes and dimensioning, and graphics. Evening Division Only. Each semester.

104. Blueprint Reading for the Building Trades **0-3-1 Hours**
Instructions in blueprint interpretation for trades and construction personnel. Small homes, construction projects, detail construction, materials lists, and industrial construction blueprints. Evening Division only.

119-120. Architectural Graphics **0-6-4 Hours**

An elementary course in architectural graphics and design composition. Instructions in the fundamentals of perspective, graphics, visualization, lines, planes, color, mood, texture, static and dynamic symmetry, details, design of small objects. Designed for the architectural major. Yearly.

141. General Cartography **1-3-2 Hours**

A study of the history and development of modern mapping. Instructions in map uses, symbols, form, color, texture, simple projections, and map reading. Designed to meet requirements of the geology major. Yearly.

142. Map Drafting **1-3-2 Hours**

Prerequisite: Engineering Science 101 or 141. Insructions in map construction, projections, reproduction, aerial photography, composition, contours, ownership maps, plotting and sketching, types of maps and uses. Yearly.

201-202. Advanced Engineering Drawing **0-6-4 Hours**

Prerequisite: Engineering Science 102 or 251. Instructions in machine drafting and graphics, shop drawings, industrial projection drawings and dimensioning, costs, shades, shadows, detail and assembly drawings of complicated machines and scientific devices. Evening Division only. Yearly.

251. Descriptive Geometry **2-3-3 Hours**

Prerequisite: Engineering Science 101. A study of lines, points, planes, three-dimensional problems, visualization, developments, intersections, shades, shadows and graphic solutions. Spring semester.

252. Plane Surveying **2-3-3 Hours**

Prerequisite: Mathematics 101 or 106. Instruction in the care and use of surveying equipment, theories of surveying, errors, measurement of distance and angles, survey computations and plotting, and land descriptions. Yearly.

253. Plane Table Surveying **1-3-2 Hours**

Prerequisite: Engineering Science 252. Instruction in the care and use of the plane table alidade, field mapping, baseline and triangulation mapping, plotting and finishing of topographic field maps. Yearly.

301. Advanced Graphics **0-6-2 Hours**

Prerequisite: Engineering Science 251, Calculus III or enrollment therein. A further study of graphic solutions beyond the scope of engineering drawing and descriptive Geometery 251. Emphasis will be placed on one of the following subjects to be selected by the student and his adviser: analysis of the more complex machine mechanisms; basic elements of production design; solutions of vector problems by graphic and mathematical techniques, graphic calculus, and nomography. Each semester.

310. Introduction to Corrosion and Control **3-0-3 Hours**
Prerequisite: Eight hours of chemistry. Introduction to corrosion problems, electrochemistry of corrosion, mechanism of the electrolytic cell, prevention of corrosion cells, and practical application of specific corrosion problems. 1968-1969 and alternate years. Evening Division only.

320. Materials of Industry **3-0-3 Hours**
A study of industrial materials, their composition, applications, processing, and uses. Yearly.

404. Strength of Materials **3-0-3 Hours**
Prerequisite: Physics 401, Mathematics 402 or enrollment therein. A study of the internal stresses and strains of a body, when external compression, tension and shear forces are applied.

RELIGION

Professor Pomeroy, *Chairman*

Professor: Pledger

Assistant Professors: Hancock, R. E. Taylor

Lecturer: Aamodt

Major Requirements

The Department of Religion attempts to lead students in serious philosophical and religious consideration of the questions of man's origin, destiny, meaning and purpose. The basic assumption of the courses is that these questions are best dealt with in the Jewish-Christian history and writings. Students will normally meet the college requirement of six hours of Bible for graduation with Religion 201 and 202 which survey the Old and New Testaments from historical and literary viewpoints. Members of churches which forbid the study of religion at a Protestant institution may meet the college requirement by taking two of the following courses: Philosophy 301, 302, and English 313. For the B.A. in religion 24 semester hours of religion, including Religion 201-202 are required. Philosophy 301 and 302 shall count as religion for the major.

Pre-Theological Curriculum

Entrance requirements of seminaries and graduate schools of religion must be met with courses in addition to the requirements of the core curriculum and of the major subject selected. Therefore, students who plan such graduate study should, in all cases, counsel with a member of the Department of Religion before enrolling for work beyond the first semester of the freshman year.

101. Old Testament Survey **3 Hours**
Each semester.

102. New Testament Survey **3 Hours**
Each semester.

103. Principles of Church Administration **1 Hour**
Designed to meet the needs of ministerial students and other persons training for Christian work.

203. History and Doctrines of Methodism **3 Hours**
Study of movement which affected the social and religious life of eighteenth century England and which influenced the cultural, religious and political development of America. Primary sources are the works of John Wesley and secondary sources are recent interpretative biographies and histories of Methodism. Offered in 1968-1969 and alternate years.

206. Life and Teachings of Jesus **3 Hours**
Thorough study of the Gospel accounts of the life of Jesus with emphasis on the historical, political, and religious background, literary forms, and teachings. Offered in 1968-1969 and alternate years.

301. History of the Christian Church **3 Hours**
Survey of development of the Christian Church in thought and individual life from the first century to the Reformation. Careful study is made of the lives and writings of the leading figures of this period. (Same as History 301.)

302. History of the Christian Church **3 Hours**
Study of major branches of the Christian Church and trends of development since the Reformation. (Same as History 302.)

303. Philosophy of Religion **3 Hours**
A study of the problems of religious language and truth, the existence of God, and related religious concepts. (Same as Philosophy 303.) Offered yearly.

306. Prophets of Israel **3 Hours**
Study of the prophetic movement and its historical background in Israel from the time of Moses until its close with the book of Jonah.

307. Philosophy of Eastern Religions **3 Hours**
An historical study of the fundamental philosophical concepts of near and far eastern religions and ethical systems. Alternate years, beginning 1968.

309. Life and Letters of Paul **3 Hours**

315. Theology of the New Testament **3 Hours**
Study of major theological and practical religious questions of the New Testament. Offered in 1969-1970 and alternate years.

317, 318. Renaissance and Reformation **6 Hours**
The Renaissance section is a study of the important social, political, economic and cultural developments in European civilization during the fourteenth and fifteenth centuries. The Reformation section covers the sixteenth and the first half of the seventeenth centuries. (Same as History 317, 318.)

402. Directed Study in Christian Thought **3 Hours**
Prerequisite: Religion 201-202 and consent of instructor. Study of classical religious writings from various periods of the church's history. Selections from Augustine, Aquinas, Luther, Calvin, Wesley, Schleiermacher, Kierkegaard, Barth, Tillich, and others will be chosen. Offered in 1969 and alternate years.

SCHOOL OF MUSIC

Associate Professor Carp, *Director*

Associate Professors: Causey, Harlan, Voran

Assistant Professor: Perkins

Adjunct Professor: Teague

Lecturers: Bond, Mrs. Carp, Hobbs, Fisher, Kester, Kozak, Lorrin, Shenaut, Upton, Wideman

Centenary College offers the B.A. degree with a major in applied music, and the Bachelor of Music degree in applied music, music education, and theory and composition. The Centenary School of Music is a member of the National Association of Schools of Music; therefore, requirements for entrance and for graduation are based upon the published regulations of the association.

The school offers a wide variety of courses in voice, piano, organ, composition, and orchestral and band instruments. These courses are oriented toward the twin purposes of developing individual ability and meeting the needs of students whose interests may lie in advanced study, public performance, study of instruments as an accompaniment, or in teaching public school music. Ensemble is an essential phase of musical development, and for this reason, all students of applied music are required to enroll in ensembles and to participate in the college choir, the symphony chorale and the annual opera workshop produced by the School of Music.

Candidates for the B.M. degree must meet the same admission requirements as candidates for other degrees, and they must also fulfill the core requirements demanded of all students expecting to graduate from the college. In addition, prospective music freshmen should be thoroughly familiar with basic visual and aural concepts and materials. A rudimentary knowledge of piano is strongly recommended.

Entering students must expect to pass auditions and placement tests in music theory and piano (for non-keyboard majors). For unconditional acceptance as a music major, a student should be able to perform an entrance audition in his major applied area, meeting standards which are set by the School of Music. All entrance auditions and placement tests in theory and piano (for non-keyboard majors) are administered during the freshman orientation period each fall. Entering freshmen should consult early with the director of the School of Music concerning qualifications, auditions and tests.

Credit in applied music for students transferring from other schools will be determined by an audition before the music faculty during the orientation period, and by progress made during the first semester of study at Centenary. All transfer students must also expect to take examinations in music theory and music history to determine whether equivalent standards have been met. Until auditions and examinations have been completed and evaluated, music credit for any transfer student will be tentative.

Candidates for the B.M. degree who desire advanced standing must present a complete transcript of the work done, not only in their major field but also in all college work completed. They must also be examined in their major instrument and in music theory.

The course in public school music leading to a degree of Bachelor of Music in music education is designed to meet the state requirements for teacher certification in the public school systems of Louisiana. All students planning to certify as teachers must by the end of the sophomore year petition the selective admissions committee of the Teacher Education Advisory Council for acceptance into the Department of Education. Interested students should consult with the director of the School of Music for details of this particular curriculum.

Requirements for all of the degrees offered in music are quite detailed and specific. Interested students and prospective majors should consult early and in person with the director of the School of Music for suggested course plans fitting specific majors.

001-002. Recital Attendance **No Credit**

Theory of Music

111-112. Music Theory **4 Hours**
A study of the materials of music and their organization through part writing and analysis.

113-114. Keyboard Harmony **2 Hours**
Keyboard application of music theory. Must be taken with Music 111-112.

117-118. Ear Training **2 Hours**
Scales, intervals, rhythm, meter, and their application in sight singing and dictation. Must be taken with Music 111-112.

211-212. Music Theory **4 Hours**
Prerequisite: Music 111-112. Continuation of Music 111-112.

213-214. Keyboard Harmony **2 Hours**
Prerequisites: Music 111-112 and Music 113-114. Continuation of Music 113-114. Must be taken with Music 211-212.

215-216. Analysis of Musical Forms **6 Hours**
Prerequisite: Music 111-112. Elements of musical form and harmonic analysis of standard works.

217-218. Ear Training **2 Hours**
Prerequisites: Music 117-118 and Music 111-112. Continuation of Music 117-118. Must be taken with Music 211-212.

309-310. Creative Writing **2 Hours**
Prerequisite: Music 215-216. Basic techniques of composition. Writing in smaller forms. 1968-69 and alternate years.

311-312. Counterpoint **4 Hours**
Prerequisite: Music 211-212. First semester 18th century. Second semester 16th century.

315-316. Accompanying and Improvisation **4 Hours**
The art of accompanying on the organ and the adapting of other scores to the organ. Develops fluency in improvisation at the organ by using basic keyboard skills, basic forms and modulations. 1969-70 and alternate years.

411-412. Orchestration **4 Hours**
Scoring and analysis of scores for orchestra first semester and band second semester.

Diction

Courses designed specifically for singers. Required of voice majors. International phonetic alphabet is used.

107. Italian diction **1 Hour**

108. German diction **1 Hour**

209. French diction **1 Hour**

210. English diction **1 Hour**

Public School Music

121. Music Education **3 Hours**
Theory of music and elementary music teaching methods for the general classroom teacher. For non-music majors.

321. Music Education **1 Hour**
Prerequisites: Acceptance into Department of Education by admissions committee. Methods of teaching music in the elementary grades.

325-326. Conducting. Band and Orchestra **2 Hours**

327-328. Conducting. Choral **2 Hours**

421. Elementary Student Teaching **2 Hours**
Prerequisite: Music 321.

423. High School Student Teaching **2 Hours**
Prerequisite: Music 321.

Pedagogy

431-432. Organ Teaching Methods **4 Hours**
1968-69 and alternate years.

433-434. Piano Teaching Methods **4 Hours**
1968-69 and alternate years.

435-436. Voice Teaching Methods **4 Hours**

437-438. Band Methods **4 Hours**
Prerequisite: Acceptance into Department of Education by admissions committee. Training, management and study of the literature of the school band.

439-440. Orchestra Methods **4 Hours**
Prerequisite: Acceptance into Department of Education by admissions committee. Training, management and study of the literature of the school orchestra.

447-448. Choral Teaching Methods **4 Hours**
Prerequisite: Acceptance into Department of Education by admissions committee. Methods, materials, and techniques for music education majors preparing to teach school vocal music.

451-452. String Teaching Methods **4 Hours**
1968-69 and alternate years.

453-454. Wind Teaching Methods **4 Hours**
1968-69 and alternate years.

Music History and Literature

141-142. Introduction to History and Literature of Music **4 Hours**
For music majors or divisional humanities majors.

143-144. Music Appreciation **2 Hours**
Cultural course for the general college student. For non-music majors.

301-302. Music History and Literature **6 Hours**
Prerequisite: Music 141-142. A survey of the development of music from Middle Ages to present day.

442. Twentieth Century Music **3 Hours**
Prerequisite: Music 301-302. A study of styles and techniques from 1900 to the present.

444. Church Music **3 Hours**
Prerequisite: Music 301-302. Historical survey of religious music.

Repertoire and Interpretation

461-462. Piano Literature **4 Hours**
1969-70 and alternate years.

463-464. Organ Literature **4 Hours**
1968-69 and alternate years.

465-466. Song Literature **4 Hours**

467-468. String Literature **4 Hours**
1968-69 and alternate years.

469-470. Wind Literature **4 Hours**
1968-69 and alternate years.

Applied Music—Class Instruction

Private instruction may be substituted for class instruction.

129-130. Piano Class **4 Hours**
For non-keyboard music majors working to pass the piano proficiency exam, and for electives. Two class hours plus six hours practice weekly.

229-230. Piano Class **4 Hours**
Continuation of Music 129-130. Piano proficiency exam is the final exam for Music 230. (See School of Music Handbook for requirements.) Two class hours plus six hours practice weekly.

329-330. Piano Class **4 Hours**
Combination of Music 129-130. Piano proficiency exam is the final exam for Music 230. Two class hours plus six hours practice weekly.

331. Percussion Class **2 Hours**
Spring 1970 and every 4th semester.

333. String Class **2 Hours**
Spring 1969 and every 4th semester.

335. Brass Class **2 Hours**
Fall 1968 and every 4th semester.

337. Woodwind Class **2 Hours**
Fall 1969 and every 4th semester.

339-340. Voice Class **2 Hours**
Fundamentals of voice production. For non-voice majors, and for electives. Two class hours plus two hours practice weekly.

429-430. Piano Class **4 Hours**
Continuation of Music 329-330 with major emphasis on accompanying and sight reading. Practical application of studio accompanying.

Applied Music—Private Instruction

Piano, voice, organ, orchestra instruments, percussion and private composition. (See statement concerning private applied jury exams in the School of Music Handbook.)

Elective Private Applied **1-2 Hours**
Private instruction for electives, and for music majors desiring private rather than class instruction in their minor applied area. Half hour lesson and five hours practice weekly: **1 Hour.** One hour lesson and 10 hours practice weekly: **2 Hours.**

181-182. Major Private Applied **6 Hours**
Freshman year for all music majors. One hour private lesson, seminar, and 15 hours practice weekly.

275-276. Major Private Applied **4 Hours**
Sophomore year for music education and B.A. music majors. One hour private lesson, seminar, and 10 hours practice weekly.

281-282. Major Private Applied **6 Hours**
Sophomore year for Bachelor of Music in piano, organ, voice, orchestral instrument and composition majors. One hour private lesson, seminar, and 15 hours practice weekly.

375-376. Major Private Applied **4 Hours**
Junior year for music education and B.A. music majors. One hour private lesson, seminar, and 10 hours practice weekly.

381-382. Major Private Applied **6 Hours**
Junior year for Bachelor of Music piano, organ, voice, orchestral instrument, and composition majors. Junior recital—30 minutes. One hour private lesson, seminar, and 15 hours practice weekly.

475-476. Major Private Applied **4 Hours**

Senior year for music education and B.A. music majors. Senior recital—30 minutes. One hour private lesson, seminar, and 10 hours practice weekly.

481-482. Major Private Applied **6 Hours**

Senior year for Bachelor of Music piano, organ, voice, orchestral instrument, and composition majors. Senior recital—one hour. One hour private lesson, seminar, and 15 hours practice weekly.

Ensemble

Accompanying 1 hour, band 1 hour, chamber music 1 hour, choir 1 hour, opera workshop 1 hour, orchestra 1 hour, symphony chorale 1 hour.

THE DIVISIONAL MAJORS

THE HUMANITIES

Professor Pomeroy, *Chairman*

Major Requirements

The Humanities Division comprises the Departments of Art, Religion, English, Foreign Languages (French, German, Latin, Spanish), Philosophy, Speech and Drama, and the School of Music. For the B.A. in humanities, a major must take 80 semester hours from the departments listed above, including courses in the humanities prescribed for all students. Fifteen semester hours of social sciences are required, with six from each of two departments and three from any department in the division. These hours may satisfy the social science requirement of the core curriculum. Music 141-142, Art 101, 102, and Speech 112, 306 are required.

THE NATURAL SCIENCES

Professor S. A. Taylor, *Chairman*

The Division of Natural Sciences includes the Departments of Biology, Chemistry, Geology, Mathematics, and Physics and Engineering Sciences. The divisional major, with considerable requirements in both biology and chemistry, is designed to meet the needs of pre-medical students, pre-dental students and those interested in related medical sciences. A divisional natural science major will be a candidate for

a B.S. degree and must complete courses prescribed for all students, plus 70 hours taken in not more than four of the natural sciences. These 70 hours may include the courses prescribed for all students. The requirement also includes 15 hours in the social sciences, with no more than six hours taken in economics, education, geography, government, history, psychology, or sociology.

THE SOCIAL SCIENCES

Professor Pledger, *Chairman*

Major Requirements

The Division of Social Sciences includes the Departments of Economics and Business, Education and Psychology, History and Government, Physical Education and Sociology. The divisional major is recommended for those planning to enter professional schools and for persons who do not plan to continue their studies beyond the baccalaureate degree. A divisional social science major will be a candidate for a B.S. degree and must complete the courses prescribed for all students. In addition, 65 hours are required, 17 or 18 hours of which must be taken from each of three subjects within the division. A minimum of 27, or 40 percent, of the 65 hours required in the social sciences for the divisional major must be in the 300 or 400 level courses. A divisional major in the social sciences may select any three of the following subjects but the specific courses listed for each should be taken: Business 203-204, 321, 323 (or 346) and Economics 329; economics: Economics 201-202 and any 12 hours of 300 and 400 courses; education: at least nine hours must be at the 300 and 400 level; history: not more than six hours at the 100 level; at least 6 hours at the 300 and 400 level; physical education: Physical Education 223, 225, 321, 423, 424, 428 (or 239); psychology: Psychology 101, 221-222, 321-322; sociology: Sociology 101, 201 or 202, 302 or 303, 401 or 402, 403, 405.

PRE-PROFESSIONAL PROGRAMS

Centenary College has a "three-two" program in liberal arts and engineering in cooperative agreements with Columbia University, Louisiana Polytechnic Institute, Texas A&M University, and the University of Arkansas, leading to a degree from both Centenary College and the chosen engineering school. The chairman of the Department of Physics should be consulted.

The College offers pre-dental and pre-medical curricula to satisfy the prerequisites of the professional school and lead to a B.S. degree with either a departmental or divisional major. Preparatory programs are also offered for the following fields of medicine: osteopathy, pharmacy, physical therapy, and veterinary medicine. Interested students should consult the chairman of the Department of Biology.

A pre-law curriculum leading to a baccalaureate degree in business, economics, government, history, psychology, or sociology is offered. The chairman of the Department of History and Government should be consulted.

A student may elect a pre-theology curriculum leading to a B.A. in any one of the liberal arts disciplines and meeting entrance requirements of seminaries of all Protestant denominations which subscribe to those set forth by the American Association of Theological Schools. The chairman of the Department of Religion should be consulted.

SOCIOLOGY

Professor Pledger, *Chairman*

Lecturer: Mr. Falk

Major Requirements

The courses in the department of Sociology fall into three somewhat overlapping areas. These are courses purposed to develop the general culture of the student; courses supporting other curricula for which knowledge of social institutions and behavior is essential; courses needed to prepare the student for a specific profession.

The objective of the department is to help the student, whatever his prospective profession, to know himself as a responsible member of society. To do this, he must understand something of group behavior in the urban-industrial milieu of western civilization and be encouraged to recognize his relation to the total pattern as well as to the smaller group comprising it.

Candidates for a B.A. in sociology must take 30 semester hours in sociology, six of which may be from Sociology 101, 102, and 103. Twelve semester hours must be taken from courses numbered in the 300 and 400 level. Economics (301-302) may be used to satisfy part of this requirement.

101. Introductory Sociology **3 Hours**
An examination of cultural origins; factors in group behavior; bases of personality; and present trends in our own culture. Each semester.

102. Social Institutions **3 Hours**
Background, organization, changing character of the basic social institutions, with particular reference to western civilization. Each semester.

103. Introduction to Anthropology **3 Hours**
A study of ancient and modern man; race, culture, and society. Emphasis placed on the cultural approach. Yearly.

201. Contemporary Social Problems **3 Hours**
Prerequisite: Sociology 101. An examination of the various contemporary social problems, causes, extent, cost, and possible solutions. Yearly.

202. Marriage and Family **3 Hours**
Prerequisite: Sociology 102 or three hours of psychology. Problems related to preparation for marriage; marital adjustments; organization and function of the family. Yearly.

301. Community Organization **3 Hours**
Prerequisite: Junior standing. Community organization as a process in social work, its characteristics and growth. Discussion of councils of social agencies, community chest, and similar agencies primarily carrying out this process. Analysis of statewide, national, and international agencies of the field of organization for social welfare. Some attention is given to problems of research. Alternate years.

302. Introduction to Social Work **3 Hours**
Prerequisite: Sociology 101, 102. Underlying philosophy and basic principles of social casework, and a study of the various categories of welfare work. Alternate years.

303. Majority-Minority Relations **3 Hours**
Prerequisite: Sociology 101, or permission of the instructor. Focus on the causes, purposes, and consequences of the prejudices, discriminations and segregation, especially as they are manifested in various institutional contexts. Problems of self-conception, adjustment patterns, social movements, community organization, will be presented. Yearly.

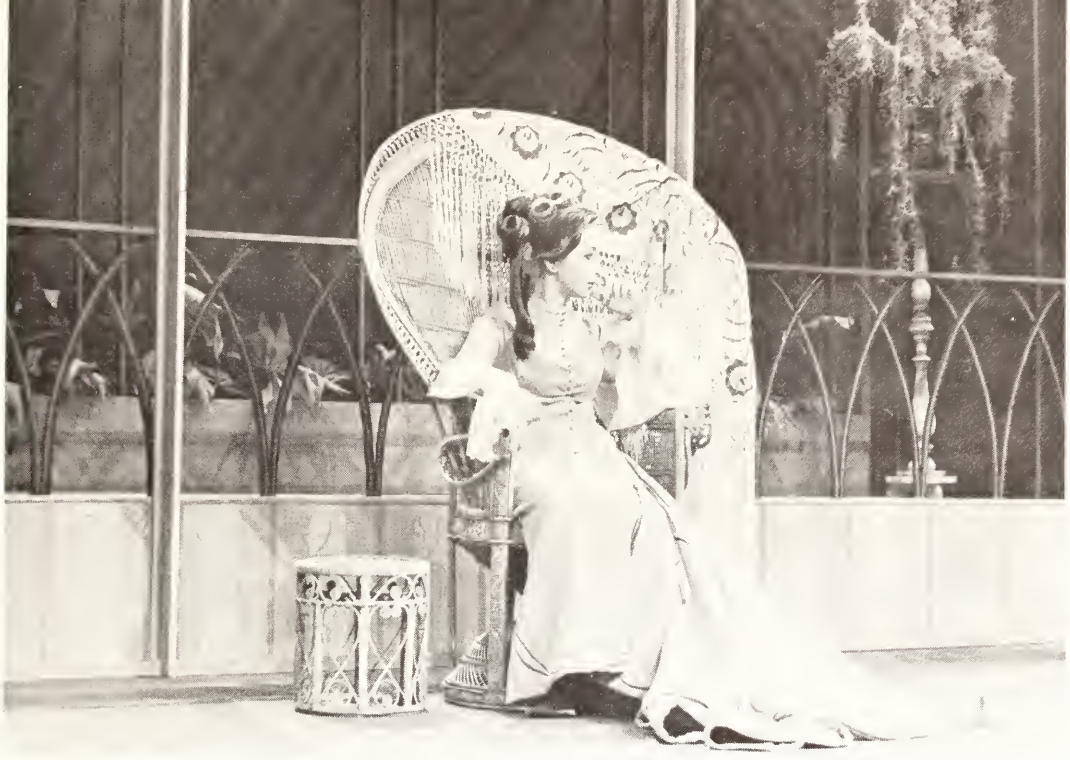
305. Social Psychology **3 Hours**
Prerequisite: Psychology 201, Sociology 101. A study of the nature of social behavior; a psychological and social analysis of society and social institutions. Yearly.

400. Southern Regionalism **3 Hours**
Prerequisite: Junior standing or above. A study of the population and cultural characteristics of the South as related to the history and economy of the region; recent trends and prospective changes with reference to rural-urban developments in the region. Alternate years.

401. Criminology **3 Hours**
Prerequisite: Sociology 101, 102, or three hours of psychology. A study and analysis of the factors leading to crime; sociological evaluation of present methods of dealing with the criminal. Yearly.

402. Juvenile Delinquency **3 Hours**
Prerequisite: Sociology 102 or three hours of psychology. Social and emotional adjustment problems of youth between the ages of 12 and 21 years of age; and analysis of the factors leading to delinquency; sociological evaluation of present methods of dealing with the delinquent. Yearly.

403. Sociological Theory **3 Hours**
Prerequisite: Sociology 101. A critical study of the major writers from Comte to contemporary sociological theorists, examined in the perspective of various schools of sociological thought. Yearly.



405. Methods of Social Research **3 Hours**
Prerequisite: 20 semesters of sociology and/or other social sciences. Methodology underlying the social sciences; methods by which valid research is carried on in the social sciences; the survey, the interview, use of questionnaire, case studies, and related devices. Yearly.

SPEECH AND DRAMA

Associate Professor Corey, *Chairman*
Associate Professor: Alexander
Instructor: Anderson
Lecturer: Mrs. Corey

The Department of Speech and Drama offers courses designed to provide the student with a knowledge of the fundamental principles of speech and drama and their application to contemporary life, and to prepare the student to teach speech. Three programs are offered: speech major, drama major, and speech education.

Speech: For a B.A. in speech, majors must take 40 hours in Speech 101, 112, 200, 201, 332, 403 (3 hours), and 24 hours from the following: Speech 203, 205, 211, 220, 231, 300, 306, 311, 312, 401, 404, 411; English 307; Philosophy 201.

Drama: For a B.A. in drama, majors must take 40 hours in Speech 101, 112, 200, 201, 306, 308, 401, 403 (3 hours), and 16 hours from the following: Speech 203, 204, 205, 206, 231, 250, 312, 331, 350, 404.

Speech Education: The speech major may receive a B.A. in speech with teacher certification by fulfilling the education requirements and by getting approval of Speech Department advisor. Ample opportunity is provided for development of performance skills essential for personal artistry. All speech and drama majors are required to participate in the groups. Students from other departments of the college are encouraged to join them also.

101. Fundamentals of Voice and Diction **3 Hours**
Study of the international phonetic alphabet, phonics, and voice improvement. Offered each semester.

105. Workshop Production **3 Hours**
A laboratory course in all phases of staging utilized in summer production of the department. Offered in summer only.

107. Workshop Acting **3 Hours**
An applied study of the art of acting, correlated with summer productions of the department. Offered in summer only.

109. Platform Art for Ministers **2 Hours**
Study of the organization and delivery of sermons and other forms of public address frequently used by ministers; the study of oral Bible reading.

112. Philosophy of the Theatre **3 Hours**
Introduction to the historical idea of a theatre, its meaning in previous and contemporary society, and its principles, tools, and creative artists. Offered yearly.

200. Public Speaking **3 Hours**
Study of the organization and delivery of all forms of public address with the exception of discussion and debate. Offered each semester.

201. Literary Interpretation **3 Hours**
Techniques involved in platform reading and program presentation of prose, poetry, and drama. Offered yearly.

203. Acting **3 Hours**
A beginner course in the study of the stage from the standpoint of the actor. Offered yearly.

204. Acting **3 Hours**
A continuation of Speech 203. Offered yearly.

205. Theatre Forms and Materials **3 Hours**
A course in applied arts in staging, lighting, and scenery. Offered yearly.

206. Designing Theatre Forms and Materials **3 Hours**
Introduction to the principles of design for the theatre. Offered 1968-1969 and alternate years.

211. Debate **2 Hours**
Study of the principles of debate with practice in competitive debating for the public and in collegiate tournaments. Offered yearly.

220. Discussion Practices **3 Hours**
Study of the principles of participation in panels, round-tables, symposiums, forums with emphasis also placed on leadership in these forms. Offered 1968-1969 and alternate years.

231. Theatre Reading **1 Hour**
Reading course, exploring criticism and theory in the contemporary theatre, through current books and periodicals, and through class discussion. Offered yearly.

250. Historic Costume for the Stage **2 Hours**
Prerequisite: Speech 205. A survey of dress, style, and design of personal scenic elements, for theatrical production. Laboratory experience on current productions in the department. Offered 1969-1970 and alternate years.

300. Advanced Public Speaking **3 Hours**
Prerequisite: Speech 200. Concentrated study in the more formal public address with emphasis on rhetoric, logic, and audience psychology. Offered 1969-1970 and alternate years.

306. History of the Theatre **3 Hours**
The development of the drama from beginning to the present including highlights of great dramatists and their works and of production. Offered 1969-1970 and alternate years.

308. History of the Theatre **3 Hours**
Continuation of Speech 306. Offered 1968-1969 and alternate years.

311. Debate **2 Hours**
Continuation of Speech 211. Offered yearly.

312. Advanced Literary Interpretation **3 Hours**
Prerequisite: Speech 201. Study of all types of material adaptable for oral presentation, planning of programs, presentation of reading hours. Offered 1968-1969 and alternate years.

331. Theatre Reading **1 Hour**
Yearly.

332. Speech Criticism **1 Hour**
Prerequisite: Speech 200 or consent of instructor. Study of current speeches and principles of evaluation. Offered 1969-1970 and alternate years.

350. Historic Costume for the Stage **2 Hours**
Continuation of Speech 250. Offered 1968-1969 and alternate years.

401. Directing **3 Hours**

A study of the development of the director and his responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Senior speech or drama majors only. Offered yearly.

403-404. Seminars **1 to 3 Hours Each**

Prerequisite: Consent of the chairman. Advanced courses arranged for the individual major's requirements. Offered each semester.

411. Debate **2 Hours**

Continuation of Speech 311. Offered yearly.

VI

SUPPLEMENTARY INFORMATION

EVENING DIVISION

Centenary's Evening Division program is based on the principle that education is a continuing process and that, in the increasing complexities of the life of these times, the resources of the College should be available for such continuing adult education. Evening Division courses are available to persons working toward a college degree, to those desiring only to improve their competency in their present occupation or wishing to prepare for new vocations, and to those seeking cultural development for satisfying personal living and responsible citizenship.

To qualify for admission to Evening Division classes, the prospective student must be a high school graduate and/or in good standing at the accredited college he last attended. A psychometric testing center at the College is authorized to give General Education Development tests to prospective Evening Division students who have not finished high school. These tests, if passed successfully, qualify the student for admission to the College.

Adults and students who are high school graduates and who are not on suspension at any college may enroll as auditors. Auditors are entitled to participate in the work of the class to the extent that they desire to do so, except that instructors are not required to give grades to auditors and therefore no grades are recorded in the Registrar's Office. Tuition is the same whether a course be taken for credit or audited.

A student expecting to take courses for credit toward a degree should consult the Director of the Evening Division or the head of the department in which he will major. Such interviews should be scheduled in advance by telephoning or writing to the Director prior to the regular registration period. A student enrolling for the first time should be prepared to furnish official transcripts of high school and college work.

VETERANS' EDUCATION

Veterans may take work in either the day school or the evening division at Centenary since the College has been approved for veterans' training under Title 38, U. S. Code. Application should be made through the Veterans Administration Regional office nearest the home of the prospective student.

To qualify for maximum benefits the veteran must be enrolled for a minimum of 14 hours per semester. If he is enrolled for 10 to 12 hours, he will receive three-quarters of his maximum entitlement, if he is enrolled for seven to nine hours, he receives one-half, and if he is enrolled for six or less hours, he will receive approximately the amount of his tuition divided into monthly payments. Tuition allowance is mailed directly to the student by the Veterans Administration, and the student is responsible to the College for paying his account according to rules governing all students.

Veterans who have not finished high school may take the General Education Development tests to qualify for admission to the College. In most states, the passing of these tests and the completion of eight units of high school work qualify a veteran for a high school certificate. It is recommended that this certificate be secured. Application for it should be made by letter to the high school last attended.

SUMMER SESSIONS

A variety of courses is offered to students during four-week and eight-week sessions. All credits, grades and quality points earned by regularly enrolled Centenary students are credited to the total program of the student in the regular sessions, and they influence the cumulative averages and academic standing accordingly.

In addition to regular study courses, Centenary also offers two special summer programs intended to fill needs of students who may wish to enroll in the regular academic program of the College at a later date. These are the Pre-Freshman Study Course and the Summer Early Admissions Program. The former program is designed for high school students who need to strengthen reading and math skills before enrolling formally in college. If this course is completed satisfactorily, the student may receive six hours of college credit. Under the Early Admissions Program, outstanding high school students who have completed their junior year may enroll either in the regular summer session or in the Pre-Freshman Study Course. These students will be given college credit for their work after their high school courses are completed and they are registered at Centenary. Information and applications may be obtained from the Dean of Students.

ALUMNI ASSOCIATION

Upon graduation from Centenary, all students become members of the Alumni Association. Today the Association has more than 7,000 active members, who receive the regular alumni newsletter, *This Is Centenary*. The Association is closely associated with the development program of the College, and its members are actively involved in all phases of college life. A fulltime director has headquarters on campus and extensive records are maintained on all past classes and students.

VII
DIRECTORIES

BOARD OF TRUSTEES

OFFICERS

George D. Nelson, Chairman
Howard Crumley, Vice-Chairman
Edwin F. Whited, Secretary

Term Expires in 1970

S. Perry Brown
Dana Dawson, Jr.
D. L. Dykes, Jr.
Murray C. Fincher
James T. Harris
Mrs. E. E. Hurley
G. W. James
T. B. Lanford
Tom H. Matheny
D. A. Raymond, Jr.
Albert Sklar
J. Hugh Watson
Edwin F. Whited

Term Expires in 1968

Douglas Attaway
J. Pat Beaird
J. Henry Bowdon
Mrs. Charles N. Cadwallader
Sam B. Grayson
George W. Harbuck
Sam H. Jones
Mrs. L. B. Kilpatrick
Charles D. Knight
J. C. Love, Jr.
Douglas L. McGuire
Sam Nader
James N. Patterson
Cecil E. Ramey, Jr.
Dale Waller
J. Robert Welsh

Term Expires in 1969

John B. Atkins, Jr.
William Russell Barrow
Charles Ellis Brown
Howard Crumley
Marlin W. Drake
W. Crawford Fullilove, Jr.
James C. Gardner
O. D. Harrison
Emmett Hook
Mrs. Glenn Laskey
Carl F. Lueg
Charlton Lyons, Jr.
George D. Nelson
Bentley Sloane
Donald W. Weir
N. H. Wheless, Jr.

Ex-Officio Members

Aubrey G. Walton
Jack S. Wilkes

Life Members

Lamar Baker
W. L. Doss, Jr.
Mrs. D. P. Hamilton
Guy M. Hicks
H. L. Johns
Henry O'Neal
Bonneau Peters
John L. Scales, Sr.

ADMINISTRATION 1968-69

Jack Stauffer Wilkes — *President of the College*

T. N. Marsh — *Dean of the College*

Frederick H. Delaney — *Director of Development*
B.S., Western Illinois State College, 1941; M.S., University of Illinois, 1942.

Jessie W. Outlaw — *Comptroller*
B.A., Woodbury College, 1962.

Aubrey L. Forrest — *Associate Dean of the College, Director of Evening and Summer Sessions*

August E. Aamodt — *Dean of Men*

Mrs. Shirley Baird Rawlinson — *Dean of Women*
B.A., Centenary College, 1938.

Mrs. Nelle Brown — *Registrar*
A.B., Baylor, 1924.

Buren S. Folsom — *Director of Admissions*
B.S., Southeastern State College, 1938; M.Ed., North Texas State University, 1952.

Charles T. Bolding — *Assistant Director of Admissions*
B.G.E., University of Omaha, 1965.

Harold Bond — *Assistant Comptroller*
B.S., Centenary, 1956.

Mrs. Robbie Campbell — *College Nurse*

Mrs. E. M. Clark — *Manager of the Book Store*
A.B., College of Emporia, 1921.

Mrs. Rosemary Eubanks — *Assistant to the Dean of Students*

Mrs. Lois Gowan — *Teacher Placement Bureau*

Mrs. Frances Hazzard — *Food Service Director*
B.S., Texas State College for Women, 1946.

Mrs. A. L. Hewitt — *Director of Publications*

James Douglas Mooty — *Alumni Director*
B. S., Centenary College, 1951.

Mrs. Fannie Nichols — *Student Activities Counselor*

H. E. Raney, Jr. — *Superintendent of Buildings and Grounds*

Robert E. Taylor — *Minister to the Campus*

Maurie Wayne — *Director of Public Information*

Ken A. Weaver — *Assistant Director of Admissions*
A.B., Cincinnati College Conservatory of Music, 1950.

Mrs. Edna S. Worley — *Assistant Registrar*
A.B., Centenary College, 1955.

FACULTY 1967-68

August E. Aamodt — *Lecturer in Religion and Dean of Men*
B.A., North Dakota State University, 1951; B.D., Vanderbilt University, 1959. (1967)

Mrs. Jacqueline Adams — *Lecturer in Art*
A.B., Centenary College, 1939. (1966)

Edwin A. Adamzcak — *Lecturer in Business*
B.S., University of Buffalo, 1959. (1966)

Ruth Joy Alexander — *Associate Professor in Speech and Drama*
B.A., Texas State College for Women, 1944; M.A., University of Wisconsin, 1955. (1958)

Phillip D. Anderson — *Instructor in Speech and Drama*
B.S., St. Cloud State College, 1962; M.A., Indiana University, 1966. (1966)

Emmett Asseff — *Professor of History and Government*
B.A., Louisiana State University, 1939; M.A., Louisiana State University, 1940; Ph.D., University of North Carolina, 1949. (1966)

Daniel O. Baker — *Lecturer in Physics*
B.S., Mississippi State University, 1962; M.S., Mississippi State University, 1964. (1966)

Roy L. Beard — *Lecturer in Economics and Business*
B.A., Louisiana State University, 1955; LL.D., New York University Law School, 1960. (1967)

Theodore T. Beck — *Professor and Chairman of the Department of Foreign Languages*
A.B., Colgate, 1928; M.A., University of Georgia, 1940; Ph.D., Louisiana State University, 1961. (1961)

John L. Berton — *Professor and Chairman of the Department of Economics and Business*
B.S., Tulsa University, 1957; M.B.A., University of Arkansas, 1961; Ph.D., University of Arkansas, 1965. (1967)

Ilse K. Bissell — *Instructor in German*
A.B., University of Bonn, Germany, 1957; M.A., University of Bonn, Germany, 1958; Diploma, Berlitz School, 1960. (1965)

Barbara Faye Boddie — *Instructor in Health and Physical Education*
B.S., Texas Christian University, 1963. (1964)

Lucille Bond — *Lecturer in Music*
B.A., University of Nebraska, 1933. (1967)

Zeak M. Buckner — *Instructor in English*
B.A., Centenary College, 1956; M.A., Texas Christian University, 1962. (1962)

Joyce Anne Cameron — *Assistant Professor of Music*
A.B., Pomona College, 1963; M.M., Indiana University, 1965. (1965)

Virginia Carlton — *Professor and Chairman of the Department of Mathematics*
B.S., Centenary College, 1939; M.S., Tulane University, 1940; Ph.D., Northwestern University, 1959. (1946-48; 1957)

Gilbert M. Carp — *Associate Professor and Director of the School of Music*
B.M. Ed., Louisiana State University, 1947; B.M., Converse College, 1949; M.M., Converse College, 1952 (1966)

Rella A. Carp — *Lecturer in Music*
B.A., Maryville College, 1946; B.M., Converse College, 1947. (1966)

Albert Richard Casavant, Jr. — *Lecturer in Economics and Business*
B.A., Emory University, 1964; M.B.A., University of Pennsylvania, 1966. (1967)

Carol Burton Casavant — *Instructor in Education and Psychology*
B.A., Emory University, 1964; M. Ed., University of Chattanooga, 1965. (1966)

B. P. Causey — *Associate Professor of Music*
B.A., Northwestern State College, 1939; M.M., Northwestern University, 1954. (1941)

Edward Murray Clark — *Professor of English*
A.B., College of Emporia, 1921; M.A., University of Oklahoma, 1933; Ph.D., University of Oklahoma, 1941. (1946)

William J. Cole — *Lecturer in Economics and Business*
B.S., Louisiana Polytechnic Institute, 1961; C.P.A. (1966)

Rayburn G. Cook — *Lecturer in Economics and Business*
B.S., Louisiana Polytechnic Institute, 1952; C.P.A. (1966)

Irene Cooke — *Assistant Professor and Cataloger*
B.A., Southwestern Louisiana Institute, 1934; B.S., Library Science, Louisiana State College, 1937. (1962)

Willard Cooper — *Professor and Chairman of the Department of Art*
B.A., Centenary College, 1947; M.F.A., Escuela Universitaria de Belles Artes, Mexico, 1949. (1958)

Irene Corey — *Lecturer in Speech and Drama*
A.B., Baylor University, 1947; M.A., Baylor University, 1949. (1960)

Orlin R. Corey — *Associate Professor and Chairman of the Department of Speech and Drama*
B.A., Baylor University, 1951; M.A., Baylor University, 1952; Baylor Art School, Paris, 1952. (1960)

L. Hughes Cox — *Associate Professor and Chairman of the Department of Philosophy*
A.B., Wabash College, 1953; S.T.B., Boston University School of Theology, 1956; M.A., Yale University, 1959; Ph.D., Yale University, 1963. (1967)

Antonio Curbelo — *Assistant Professor of Spanish*
B.A., Candler College of Cuba, 1941; Ed.D., Havana University, Cuba, 1945 (1966)

Donald M. Danvers — *Assistant Professor of Mathematics*
B.A., Northwestern University, 1956; M.A., Northwestern University, 1958. (1960)

Bryant Davidson — *Professor of History and Government and Philosophy*
A.B., Hendrix College, 1925; M.A., Columbia University, 1928; LL.D., Hendrix College 1960. (1928)

Ronald E. Dean — *Assistant Professor in Music*
B.A., Williams College, 1954; M.M., University of Michigan, 1957. (1960)

Francis Deville — *Instructor in French*
A.B., Northwestern State College, 1961; M.A., Louisiana State University, 1968. (Spring semester 1968)

Vannie Edwards — *Instructor in Health and Physical Education*
B.S., Southeastern Louisiana College, 1959. (1964)

Jack Elgin — *Lecturer in Economics and Business*
B.A., Centenary College, 1943. (Fall semester 1967 only.)

Herbert V. Fackler — *Instructor in English*
B.A., Centenary College, 1964; M.A., New Mexico Highlands University, 1965. (1965)

Raymond D. Fadous — *Lecturer in Mathematics*
B.S., Michigan State University, 1963; M.S., University of Michigan, 1965. (Fall semester 1967 only.)

Norman Z. Fisher — *Lecturer in Music*
B.A., Lewis and Clark College, 1942; M.S.M., Union Theological Seminary, 1946. (1955)

Raymond A. Flores — *Assistant Professor of Foreign Languages*
B.A., University of Southwestern Louisiana, 1953; M.A., Louisiana State University, 1955. (1966)

Aubrey L. Forrest — *Associate Professor and Chairman of the Department of Education and Psychology; Director of Evening and Summer Sessions; and Associate Dean of the College*
B.A., Nebraska Wesleyan University, 1956; M.A., Northwestern University, 1958; Ph.D., Northwestern University, 1959. (1968)

Joseph D. Freeland — *Lecturer in Business and Economics*
B.S., Centenary College, 1947. (1968)

Elizabeth Friedenberg — *Lecturer in Art*
A.B., Centenary College, 1955; M.A., Stephen F. Austin State College, 1959; Contemporaries Workshop, Cornell University; Tschacbosov School. (1952)

Louie A. Galloway — *Associate Professor and Chairman of the Department of Physics*
A.B., Hendrix College, 1958; M.S., Case Institute of Technology, 1966; Ph.D., Case Institute of Technology, 1966. (1966)

Joseph D. Garner — *Lecturer in Education and Psychology*
B.S., Louisiana State University, 1949; M.S., Louisiana State University, 1950; Ed.S., Peabody College, 1961; Ed.D., University of Arkansas, 1967. (1967)

Helen Gary — *Instructor in English*
B.A., Southern Methodist University, 1966; M.A., Arizona State, 1967. (1967)

John D. Goodwin — *Lecturer in History*
B.S., Centenary College, 1959; L.L.B., Tulane University, 1962. (1967)

Curtis Green — *Lecturer in Education and Psychology*
B.A., East Texas State Teachers College; M.Ed., East Texas State Teachers College. (1960)

Charles M. Greene — *Assistant Professor of Mathematics*
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1968 - 1969

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Mrs. Mamie K. Breazeale
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Mrs. Vickey Caldwell
Mr. Max Edmonson
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Mr. Mike Moran
Mr. Orlando Moss
Mrs. Miriam Scaife
Mrs. Grace Small
Mrs. Croulyn E. Smith
Mrs. Zula Smith
Mrs. Pauline Walton
Mr. E. A. Wilson

ACADEMIC CALENDAR 1968-1969

FALL SEMESTER 1968

Pre-registration Faculty Conference		Friday	September 6
		Saturday	September 7
Dormitories Open	10:00 AM	Saturday	September 7
Freshman Orientation		Sunday	September 8
Registration of Seniors, Juniors			
and Sophomores	8:30 to 12:00	Monday	September 9
	1:00 to 4:00		
Registration of Freshmen & Transfers	8:30 to 12:00	Tuesday	September 10
	1:00 to 4:00		
Classwork Begins	7:50 AM	Wednesday	September 11
Last Day for Enrolling			
or Changing Sections		Friday	September 20
Deadline for Dropping Courses		Friday	October 18
Mid-Semester Reports Due	12:00 Noon	Saturday	November 9
(GRE)—Required of All Graduating	1:00 to 4:00	Tuesday	November 12
	1:00 to 4:00	Friday	November 15
	1:00 to 4:00	Monday	November 18
Thanksgiving Holidays	12:00 Noon	Wednesday	November 27
	to 7:50 AM	Monday	December 2
Christmas Holidays	10:00 PM	Thursday	December 19
	to 7:50 AM	Monday	January 6
Pre-registration for Spring Semester		Tuesday	January 7
		Thursday	January 9
Semester Examinations		Monday to	January 20
		Friday	January 24

SPRING SEMESTER 1969

Registration	9:00 to 12:00	Monday	February 3
	1:00 to 5:00		
Classwork Begins	7:50 AM	Tuesday	February 4
Last Day for Enrolling			
or Changing Sections		Friday	February 14
Deadline for Dropping Courses		Friday	March 7
Founders' Day		Tuesday	April 1
Easter Recess	10:00 PM	Wednesday	April 2
	7:50 AM	Tuesday	April 8
Mid-Semester Reports Due	12:00 Noon	Friday	April 4
(GRE)—Required of all	1:00 to 4:00	Tuesday	April 15
graduating Seniors	1:00 to 4:00	Friday	April 18
	1:00 to 4:00	Monday	April 21
Pre-registration for Fall Semester		Tuesday	May 6
		Thursday	May 8
Semester Examinations		Monday to	May 26
		Friday	May 30
Baccalaureate	2:30 PM	Sunday	June 1
Commencement	8:00 PM	Sunday	June 1

SUMMER SESSION 1969

Registration	9:00 AM	Monday	June 9
Classwork Begins	7:00 AM	Tuesday	June 10
Holiday		Friday	July 4
Mid-Semester		Friday	July 11
Final Examinations		Thursday to	August 14
		Friday	August 15

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NOTES

NOTES

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For Information on:	Write to:
General Interest of the College	The President
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Gifts or Bequests and Public Relations	Director of Development
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